



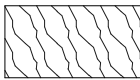
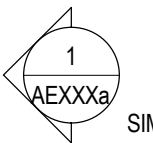
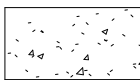
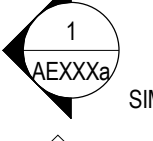

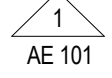
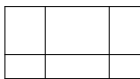
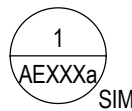
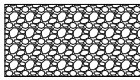

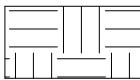

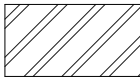

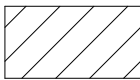



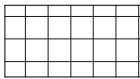
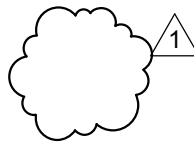

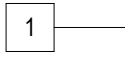


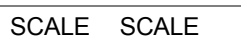

DFCM PROJECT #: 10052550

DIVISION OF FACILITIES CONSTRUCTION AND MANAGEMENT

ABBREVIATIONS

A	AC	ACOUSTIC	G		d	PENNY
ADD	ADD	ADDENDUM	GA.	GALVANIZED	P.L.	PLASTIC LAMINATE
A/C	AIR	AIR CONDITIONING	GA	GAUGE	PL	PLATE
AL	ALT	ALTERNATE	G.C.	GENERAL CONTRACTOR	PLBG.	PLUMBING
AL	AL	ALUMINUM	G.S.N.	GENERAL STRUCTURAL NOTES	P.C.	PLUMBING CONTRACTOR
A.B.	ANCHOR BOLT		GL	GLASS	PLYWD	PLYWOOD
&	AND		GD.	GRADE	P.S.I.	POUND PER SQUARE INCH
ARCH	ARCHITECT(URAL)		GRL	GRILLE	P.S.F.	POUNDS PER SQUARE FOOT
ASP.	ASPHALT		GRD.	GROUND		
@	AT		GYP.	GYPSUM	R	RADIUS
B			H		RAD.	RADIUS
BSMT.	BASEMENT		HDW.	HARDWARE	REC.	RECOMMENDATION
B.M.	BENCHMARK		HDWD.	HARDWOOD	REG.	REGISTER
BLKG.	BLOCKING		HTR.	HEATER	REQ'D	REQUIRED
BD.	BOARD		HTE.	HEIGHT	R.A.	RETURN AIR
B.O.	BOTTOM OF		H.P.	HIGH POINT	REV.	REVISION
BLDG.	BUILDING		H.M.	HOLLOW METAL	R.D.	ROOF DRAIN
			HORIZ	HORIZONTAL	RFG.	ROOFING
			H.B.	HOSE BIB	RM.	ROOM
C			H.W.	HOT WATER	RGH.	ROUGH
CABT	CABINET		HR.	HOUR	RND.	ROUND
C.I.P.	CAST IN PLACE				S	SCR
C.B.	CATCH BASIN	I			S.	SCREW
CLG.	CEILING	IN.	INCH		SECT.	SECTION
CL	CENTER LINE	I.D.	INSIDE DIAMETER		SEL.	SELECT
C.T.	CERAMIC TILE	INSUL.	INSULATION		SHT.	SHEET
CH	CHANNEL	INT.	INTERIOR		SIM.	SIMILAR
C.O.	CLEAN OUT	INV.	INVERT		SLDG.	SLIDING
CLR.	CLEAR				SM.	SMOOTH
CL.	CLOSET	J			SPEC.	SPECIFICATION
COL.	COLUMN	JAN.	JANITOR		SPL.	SPLASH
CONC.	CONCRETE	JT.	JOINT		SQ.	SQUARE
CMU	CONCRETE MASONRY UNIT	JST.	JOIST		S.S.	STAINLESS STEEL
COND.	CONDITION				STD.	STANDARD
CONN.	CONNECTION	L			STRUC.	STRUCTURE
CONST.	CONSTRUCTION	LAM.	LAMINATED		S.A.	SUPPLY AIR
CONT	CONTINUOUS	LDG.	LANDING		SUSP.	SUSPENDED
CJ	CONTROL JOINT	LAV.	LAVATORY		SWBD.	SWITCHBOARD
		LT.	LIGHT			
D		L.W.C.	LIGHT WEIGHT CONCRETE		T	
D.P.	DAMP PROOFING	LVR.	LOUVER		TELOO	TELEPHONE COMPANY
D.B.	DECK BEARING				T.G.	TEMPERED GLASS
DIAG.	DIAGONAL	M			T&B	TONGUE & GROOVE
DIA.	DIAMETER	M.B.	MACHINE BOLT		T&B	TOP & BOTTOM
DIM.	DIMENSION	MFR.	MANUFACTURER		T.O.	TOP OF
DISP.	DISPENSER	M.O.	MASONRY OPENING		T.O.C.	TOP OF CURB
DWL.	DOWEL	MAT'L	MATERIAL		T.O.D.	TOP OF DECK
DN.	DOWN	MAX.	MAXIMUM		T.O.P.	TOP OF PARAPET
D.S.	DOWN SPOUT	MECH.	MECHANICAL		TYP.	TYPICAL
D.W.V.	DRAINAGE WASTE VENT	MTL.	METAL			
DWG.	DRAWING	MIN.	MINIMUM		U	
		MLDG.	MOLDING		U.N.O.	UNLESS NOTED OTHERWISE
		MULL.	MULLION			
E					V	
EA.	EACH				V.	VENT
E.W.C.	ELEC. WATER COOLER	N			V.T.R.	VENT THROUGH ROOF
EL.	ELECTRIC	N.G.	NATURAL GRADE		VERT.	VERTICAL
ELEV.	ELEVATION	NOM.	NOMINAL		V.G.	VERTICAL GRAIN
EQ.	EQUAL	N/A	NOT APPLICABLE		VEST.	VESTIBULE
EQUIP.	EQUIPMENT	N.I.C.	NOT IN CONTRACT		V.C.T.	VINYL COMPOSITION TILE
EXH.	EXHAUST	N.T.S.	NOT TO SCALE		V.C.P.	VITREOUS CLAY PIPE
EXIST.	EXISTING					
E.J.	EXPANSION JOINT	O			W	
EXT.	EXTERIOR	O.C.	ON CENTER		W.C.	WATER CLOSET
		OPNG.	OPENING		W.H.	WATER HEATER
F		O.D.	OUTSIDE DIAMETER		W.P.	WATER PROOF
FT.	FEET	O.F.S.	OVERFLOW SCUPPER		W.R.	WATER RESISTANT
F.F.	FINISHED)	O.F.C.I.	OWNER FURNISHED, CONTRACTOR INSTALLED		W.W.F.	WELDED WIRE FABRIC
F.E.C.	FIRE EXTINGUISHER				W.F.	WIDE FLANGE
FXT.	FIXTURE	P			WDW.	WINDOW
FL.	FLASHING	PT.	PAINT		W	WITH
		PTD.	PAINTED		WIO	WITHOUT
		PR.	PAIR		WD.	WOOD
		PNL.	PANEL			

MATERIALS / SYMBOLS

	PLYWOOD (SECTION)		CENTERLINE
	WOOD MOLDING		BUILDING SECTION FLAG
	CONCRETE (SECTION)		WALL SECTION / EXTERIOR ELEVATION
	GYPSUM BOARD (SECTION)		INTERIOR ELEVATION
	TILE (PLAN)		DETAIL
	COMPACTED GRAVEL (SECTION)		GRID HEAD
	COMPACTED SUBGRADE		WINDOW TAG
	STEEL FRAMING (PLAN, SECTION)		DOOR TAG
	CMU (PLAN, SECTION)		ROOM TAG
	BRICK VENEER (PLAN, SECTION)		KEYNOTE TAG
	RIGID INSULATION (SECTION)		REVISION TAG
			WINDOW GLAZING SCHEDULE
			WALL TYPE
			ELEVATION, (DATUM)
	VIEW NAME		SCALE
			DRAWING TITLE

DESIGN TEAM

DFCM PLAN CHECK

Phase	Program				Initial	Date
	Approved as noted	Revised Revisions	No Comment	Yes		
Accessibility						
Architectural						
Civil						
Electrical						
Energy						
HVAC						
Landscape						
Plumbing						
Specification						
Structural						

APPROVAL DOES NOT RELIEVE A/E OF DESIGN LIABILITY

VICINITY MAP



DRAWING INDEX

GENERAL INFORMATION		MECHANICAL
G101	GENERAL INFORMATION	ME600 MECHANICAL LEGEND
G111	CODE ANALYSIS	ME101 MAIN LEVEL MECHANICAL PLAN
G112	INSPECTION CHECKLIST	ME501 MECHANICAL DETAILS
AS101	ARCHITECTURAL SITE PLAN	ME502 MECHANICAL DETAILS
DS101	SITE DEMOLITION PLAN	ME601 MECHANICAL SCHEDULES
CIVIL		PLUMBING
C1	UTILITY PLAN	PE101 MAIN LEVEL OVERALL PLUMBING PLAN
C2	GRADING PLAN	PE401 ENLARGED MAIN LEVEL PLUMBING PLAN
C3	STORM WATER POLLUTION PREVENTION PLAN	PE501 PLUMBING DETAILS
C4	DETAIL SHEET	PE601 PLUMBING SCHEDULES
C5	DETAIL SHEET	
LANDSCAPE		ELECTRICAL
L101	PLANTING PLAN	E001 SYMBOLS, SCHEDULES AND NOTES
L102	IRRIGATION PLAN	E101 ELECTRICAL SITE PLAN
ARCHITECTURAL		E202 MAIN FLOOR LIGHTING PLAN
AE101	FLOOR PLAN	E302 MAIN FLOOR POWER PLAN
AE151	ROOF PLAN	E402 MAIN FLOOR SYSTEMS PLAN
AE161	REFLECTED CEILING PLAN	E501 ONE LINE DIAGRAM
AE201	EXTERIOR ELEVATIONS	E502 PANELBOARD SCHEDULES
AE202	EXTERIOR ELEVATIONS	E503 PANELBOARD SCHEDULES
AE351	WALL SECTIONS	E701 ELECTRICAL DIAGRAMS
AE352	WALL SECTIONS	E702 ELECTRICAL DIAGRAMS
AE353	WALL SECTIONS	
AE354	WALL SECTIONS	
AE355	WALL SECTIONS	
AE356	WALL SECTIONS	
AE401	ENLARGED FLOOR PLANS	
AE501	SITE DETAILS	
AE511	WALL TYPES	
AE521	INTERIOR FINISH DETAILS	
AE541	BUILDING DETAILS	
AE571	MILLWORK SECTION DETAILS	
AE591	DOOR & WINDOW DETAILS	
AE601	DOOR & FRAME TYPES & SCHEDULES	
STRUCTURAL		
S001	GENERAL STRUCTURAL NOTES	
S101	FOOTING AND FOUNDATION PLAN	
S111	ROOF FRAMING PLAN	
S501	FOOTING AND FOUNDATION DETAILS	
S502	FOOTING AND FOUNDATION DETAILS	
S503	FOOTING AND FOUNDATION DETAILS	
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S512	ROOF FRAMING DETAILS	
S513	ROOF FRAMING DETAILS	
S514	ROOF FRAMING DETAILS	
S601	CONCRETE AND STEEL SCHEDULES	
S602	MASONRY SCHEDULES	
S603	WOOD SCHEDULES	

CONSTRUCTION DOCUMENTS

DLD - OGDEN

SOUTH OGDEN, UTAH

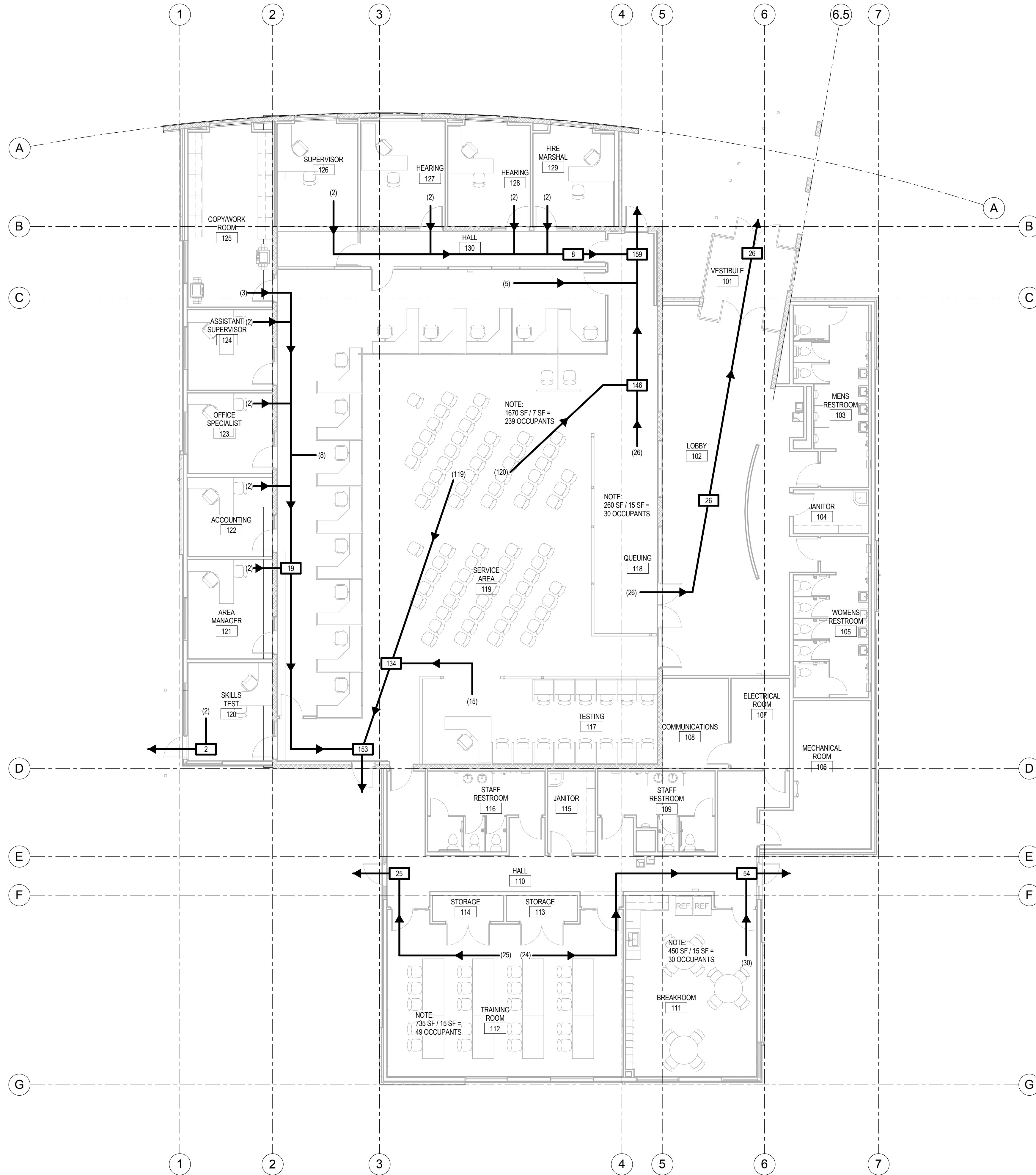


ARCHITECTS
577 South 200 East
Salt Lake City, Utah 84111
(801) 533-2100 fax: 533-2101 jrcadesign.com

DATE/REVISION	PROJECT #.
11-24-2010	10019

GENERAL INFORMATION

GI101



CODE COMPLIANCE PLAN
SCALE 1/8" = 1'-0"

CODE ANALYSIS

APPLICABLE CODES			
	Year		Year
International Building Code	2009	National Electrical Code	2008
International Mechanical Code	2009	Uniform Code for Building Conservation	2009
International Fuel Gas Code	2009	ADA Accessibility	2009
International Plumbing Code	2009	Guidelines	2009
International Fire Code	2009		
International Energy Conservation Code	2009		

A. Occupancy and Group: A-3 B
Change in Use: Yes No X Mixed Occupancy: Yes No X
Special Use and Occupancy (e.g. High Rise, Covered Mall): NONE

B. Seismic Design Category: C Design Wind Speed: 90 mph

C. Type of Construction (circle one):
☒ I ☐ II ☐ III ☐ IV ☐ V ☐ VI ☐ VII ☐ VIII ☐ IX

D. Fire Resistance Rating: Requirements for the Exterior Walls based on the fire separation distance (in hours):
North: 0 South: 0 East: 0 West: 0

E. Mixed Occupancies: YES Nonseparated Uses: YES

F. Sprinklers:
Required: YES Provided: YES

Type of Sprinkler System (IBC 903.3.1): NFPA 13

G. Number of Stories: 1 Building Height: 21 FEET

H. Actual Area per Floor (square feet): 10,693

I. Tabular Area: (Table 503): 6,000

J. Area Modifications:
$$A_2 = \left\{ A_1 + \left[A_1 \times I_1 \right] + \left[A_1 \times I_2 \right] \right\} I_1 = \left[F/P - 0.25 \right] W / 30$$

$$A_2 = \left\{ 6,000 + \left[6,000 \times 0 \right] + \left[6,000 \times 2 \right] \right\} = 18,000$$

b) Sum of the Ratio Calculations for Mixed Occupancies:

$$\frac{\text{Actual Area}}{\text{Allowable Area}} \leq 1 \quad \frac{10,693}{18,000} \leq 1$$

c) Total Allowable Area for:

- One Story: 18,000
- Two Story: $A_2(2)$
- Three Story: $A_2(3)$

d) Unlimited Area Building: Yes No X Code Section: _____

K. Fire Resistance Rating Requirements for Building Elements (hours).

Element	Hours	Assembly Listing	Element	Hours	Assembly Listing
Exterior Bearing Walls	0		Floors - Ceiling Floors	0	
Interior Bearing Walls	0		Roofs - Ceiling Roofs	0	
Exterior Non-Bearing Walls	0		Exterior Doors and Windows	0	
Structural Frame	0		Shaft Enclosures	0	
Partitions - Permanent	0		Fire Walls	0	
Fire Barriers	0		Fire Partitions	0	
	0		Smoke Partitions	0	

L. Design Occupant Load: 419
Exit Width Required: 84" Exit Width Provided: 192"

M. Minimum Number of Required Plumbing Facilities:

- Water Closets - Required (m) 4 (f) 5 Provided (m) 5 (f) 7
- Urinals - Required (m) (f) Provided (m) 4 (f)
- Lavatories - Required (m) 3 (f) 3 Provided (m) 6 (f) 6
- Bath Tubs or Showers: 0
- Drinking Fountains: 2 Service Sinks: 2

FOOTNOTES:

- In case of conflict with the U.S. Department of Justice Federal Registers Parts I through IV, ADA Guidelines and specific reference to the International Building Code Accessibility Chapters, the more restrictive requirement shall govern.
- Additional Code Information shall be provided at the discretion of the Building Official for Complex Buildings. Including, but not limited to:
 - High Rise Requirements.
 - Atriums.
 - Performance Based Criteria.
 - Means or Egress Analysis.
 - Fire Assembly Locator Sheet.
 - Exterior and Interior Accessibility Route.
 - Fire Stopping, Including Tested Design Number.

DEFERRED SUBMITTALS

1. SEISMIC RESTRAIN PROVISIONS OF IBC 1613.1 FOR ELECTRICAL SYSTEMS, DETAILS AND ENGINEERING CALCULATIONS FOR NON STRUCTURAL COMPONENTS PERMANENTLY ATTACHED TO STRUCTURE; FEBRUARY 15, 2011

2. FIRE ALARM SUBMITTALS; FEBRUARY 15, 2011

3. GYPSUM BOARD CEILING SUSPENSION SYSTEM SUBMITTALS; MARCH 15, 2011

4. FIRE SPRINKLER SUBMITTALS; FEBRUARY 15, 2011

NOTE: DEFERRED SUBMITTALS SHALL BE SUBMITTED TO THE BUILDING OFFICIAL FOR REVIEW WITH AN ACCOMPANIED LETTER FROM THE ARCHITECT STATING THAT THE SUBMITTALS ARE IN CONFORMANCE WITH THE DESIGN. WORK RELATED TO THE DEFERRED SUBMITTAL SHALL NOT COMMENCE UNTIL BUILDING OFFICIAL HAS APPROVED THE SUBMITTAL.

NOTE:
1. THESE DOCUMENTS COMPLY WITH DFCM STANDARDS
2. THESE PLANS HAVE BEEN SUBMITTED TO THE STATE FIRE MARSHAL.

LEGEND:

- (10) OCCUPANT LOAD
COMBINED OCCUPANT LOAD ALONG PATH OF EGRESS

CONSTRUCTION DOCUMENTS

DLD - OGDEN

SOUTH OGDEN, UTAH



ARCHITECTS
577 South 200 East
Salt Lake City, Utah 84111
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DATE/REVISION	PROJECT #
11-24-2010	10019

CODE ANALYSIS

GI111

SPECIAL INSPECTION AND TESTING UNDER THE PROVISIONS OF 2009 IBC Section 1704 AND FOR MISCELLANEOUS AREAS

Indicate required Special inspections for project by checking the appropriate boxes and provide specific instructions as to the inspection requirements and the expectations of the architect, engineer and owner:

FABRICATORS (IBC 1704.2)

<input type="checkbox"/> Approved Fabricator	Yes	No	<input type="checkbox"/> Unapproved Fabricator	Yes	No
--	-----	----	--	-----	----

Fabricators Name:	
Fabricators plant location	
Required In-plant Inspections	<input type="checkbox"/> Steel Construction <input type="checkbox"/> Welding <input type="checkbox"/> Details

STEEL (IBC 1704.3)

Item	Detailed Instructions and Frequencies	
High Strength Bolting(1704.3.3)	<input type="checkbox"/> Continuous	<input checked="" type="checkbox"/> Periodic
WELDING (1704.3.1)		
Details (1704.3.2)		
Complete & partial penetration groove welds	<input checked="" type="checkbox"/> Continuous	<input type="checkbox"/> Periodic
Multipass fillet welds	<input checked="" type="checkbox"/> Continuous	<input type="checkbox"/> Periodic
Single-pass fillet welds > 5/16"	<input checked="" type="checkbox"/> Continuous	<input type="checkbox"/> Periodic
Single-pass fillet welds ≤ 5/16"	<input type="checkbox"/> Continuous	<input checked="" type="checkbox"/> Periodic
Floor & roof deck welds	<input type="checkbox"/> Continuous	<input checked="" type="checkbox"/> Periodic
REINFORCEMENT STEEL	<input type="checkbox"/> Continuous	
Verification of weldability	<input type="checkbox"/> Continuous	<input type="checkbox"/> Periodic
Shear wall and shear reinforcement	<input type="checkbox"/> Continuous	<input type="checkbox"/> Periodic
Other reinforcement	<input type="checkbox"/> Continuous	<input type="checkbox"/> Periodic
Steel frame joint details	<input type="checkbox"/> Continuous	<input type="checkbox"/> Periodic

CONCRETE CONSTRUCTION (IBC 1704.4)

Item	Detailed Instructions and Frequencies	
Materials (1704.4.1)	<input type="checkbox"/> Continuous	<input checked="" type="checkbox"/> Periodic
Steel placement	<input type="checkbox"/> Continuous	<input checked="" type="checkbox"/> Periodic
Steel welding	<input type="checkbox"/> Continuous	<input type="checkbox"/> Periodic
Bolts prior & during placement	<input checked="" type="checkbox"/> Continuous	<input type="checkbox"/> Periodic
Use of required design mix	<input type="checkbox"/> Continuous	<input checked="" type="checkbox"/> Periodic
Concrete sampling for strength test, slump, air content, and temperature of concrete	<input checked="" type="checkbox"/> Continuous	<input type="checkbox"/> Periodic
Concrete & shotcrete placement	<input checked="" type="checkbox"/> Continuous	<input type="checkbox"/> Periodic
Curing temperature and techniques	<input type="checkbox"/> Continuous	<input checked="" type="checkbox"/> Periodic
Pre-stressed concrete	<input type="checkbox"/> Continuous	<input type="checkbox"/> Periodic
Pre-cast concrete	<input type="checkbox"/> Continuous	<input type="checkbox"/> Periodic
Posttensioned concrete	<input type="checkbox"/> Continuous	<input type="checkbox"/> Periodic
Form work	<input type="checkbox"/> Continuous	<input checked="" type="checkbox"/> Periodic

Page 1 of 5

MASONRY CONSTRUCTION (IBC 1704.5)

Item	Detailed Instructions and Frequencies	
As masonry construction begins:		
Indicate Category	I	II
Site prepared mortar	<input type="checkbox"/> Continuous	<input checked="" type="checkbox"/> Periodic
Construction of mortar joints	<input type="checkbox"/> Continuous	<input checked="" type="checkbox"/> Periodic
Location of reinforcement, connectors, pre-stressing tendons and anchorages	<input type="checkbox"/> Continuous	<input checked="" type="checkbox"/> Periodic
Pre-stressing technique	<input type="checkbox"/> Continuous	<input type="checkbox"/> Periodic
Grade and size of pre-stressing tendons and anchorages	<input type="checkbox"/> Continuous	<input type="checkbox"/> Periodic
Inspection program verify:		
Size and location of structural elements	<input type="checkbox"/> Continuous	<input checked="" type="checkbox"/> Periodic
Type, size and location of anchors	<input type="checkbox"/> Continuous	<input checked="" type="checkbox"/> Periodic
Size, grade and type of reinforcement	<input type="checkbox"/> Continuous	<input checked="" type="checkbox"/> Periodic
Welding of reinforcement	<input type="checkbox"/> Continuous	<input type="checkbox"/> Periodic
Cold and hot weather protection	<input type="checkbox"/> Continuous	<input checked="" type="checkbox"/> Periodic
Application and measurement of pre-stressing force	<input type="checkbox"/> Continuous	<input type="checkbox"/> Periodic
Prior to grouting verify		
Clean grout space	<input type="checkbox"/> Continuous	<input checked="" type="checkbox"/> Periodic
Placement of reinforcement	<input type="checkbox"/> Continuous	<input checked="" type="checkbox"/> Periodic
Grout mix	<input type="checkbox"/> Continuous	<input checked="" type="checkbox"/> Periodic
Mortar joints	<input type="checkbox"/> Continuous	<input checked="" type="checkbox"/> Periodic
Grout placement	<input checked="" type="checkbox"/> Continuous	<input type="checkbox"/> Periodic
Grout and mortar specimens and prisms	<input checked="" type="checkbox"/> Continuous	<input type="checkbox"/> Periodic
Construction and submittal compliance verification	<input type="checkbox"/> Continuous	<input checked="" type="checkbox"/> Periodic
Empirical masonry – Cat. I-III (1708.1.1)	<input type="checkbox"/> Continuous	<input type="checkbox"/> Periodic
Empirical masonry – Cat. IV (1708.1.1)	<input type="checkbox"/> Continuous	<input type="checkbox"/> Periodic
Engineered masonry – Cat. I-III 1708.1.1	<input checked="" type="checkbox"/> Continuous	<input type="checkbox"/> Periodic
Engineered masonry – Cat. IV (1708.1.1)	<input type="checkbox"/> Continuous	<input type="checkbox"/> Periodic
Engineering & pre-stressing steel (1708.3)	<input type="checkbox"/> Continuous	<input type="checkbox"/> Periodic
Structural steel (1708.4)	<input type="checkbox"/> Continuous	<input type="checkbox"/> Periodic
Qualification of mechanical & electrical equipment (1708.5)	<input type="checkbox"/> Continuous	<input type="checkbox"/> Periodic
Seismically isolated structures (1708.6)	<input type="checkbox"/> Continuous	<input type="checkbox"/> Periodic
Testing for seismic resistance is	<input type="checkbox"/> Continuous	<input type="checkbox"/> Periodic

WOOD CONSTRUCTION (IBC 1704.6)

Item	Detailed Instructions and Frequencies	
Prefabricated elements & assembly	<input type="checkbox"/> Continuous	<input type="checkbox"/> Periodic

Page 2 of 5

SOILS CONSTRUCTION (IBC 1704.7)

Item	Detailed Instructions and Frequencies	
Site preparation	<input type="checkbox"/> Continuous	<input type="checkbox"/> Periodic
Structural fill material	<input type="checkbox"/> Continuous	<input checked="" type="checkbox"/> Periodic
Structural fill lift thickness	<input type="checkbox"/> Continuous	<input checked="" type="checkbox"/> Periodic
Structural fill soil densities	<input type="checkbox"/> Continuous	<input checked="" type="checkbox"/> Periodic
Backfill soils materials	<input type="checkbox"/> Continuous	<input checked="" type="checkbox"/> Periodic
Backfill soil densities	<input type="checkbox"/> Continuous	<input checked="" type="checkbox"/> Periodic

PIER FOUNDATIONS (IBC 1704.9)

Item	Detailed Instructions and Frequencies	
Observe drilling operation and reporting	<input type="checkbox"/> Continuous	<input type="checkbox"/> Periodic
Verify placement & installation data	<input type="checkbox"/> Continuous	<input type="checkbox"/> Periodic

SPRAYED FIRE-RESISTANT MATERIALS (IBC 1704.10)

Item	Detailed Instructions and Frequencies	
Structural member surface conditions	<input type="checkbox"/> Continuous	<input type="checkbox"/> Periodic
Material application	<input type="checkbox"/> Continuous	<input type="checkbox"/> Periodic
Material thickness	<input type="checkbox"/> Continuous	<input type="checkbox"/> Periodic
Material density	<input type="checkbox"/> Continuous	<input type="checkbox"/> Periodic
Bonding strength	<input type="checkbox"/> Continuous	<input type="checkbox"/> Periodic

MASTIC AND INTUMESCENT FIRE-RESISTANT COATINGS (IBC 1704.11)

Item	Detailed Instructions and Frequencies	
Material and installation	<input type="checkbox"/> Continuous	<input type="checkbox"/> Periodic

EXTERIOR INSULATION AND FINISH SYSTEMS (EIFS) (IBC 1704.12)

Item	Detailed Instructions and Frequencies	
Material and installation	<input type="checkbox"/> Continuous	<input type="checkbox"/> Periodic

ALTERNITIVE CONSTRUCTION METHODS OR MATERIALS (IBC 1704.13)

Item	Detailed Instructions and Frequencies	
Material and installation	<input type="checkbox"/> Continuous	<input type="checkbox"/> Periodic

EPOXY (IBC 1704.13)

Item	Detailed Instructions and Frequencies	
Material and installation (specify locations)	<input type="checkbox"/> Continuous	<input type="checkbox"/> Periodic

SMOKE CONTROL (IBC 1704.14)

Item	Detailed Instructions and Frequencies	
Material	<input type="checkbox"/> Continuous	<input type="checkbox"/> Periodic
Installation	<input type="checkbox"/> Continuous	<input type="checkbox"/> Periodic

Special inspection for seismic resistance (IBC 1707)

Item	Detailed Instructions and Frequencies	
Structural Steel (1707.2)	<input type="checkbox"/> Continuous	<input type="checkbox"/> Periodic
Structural Wood (1707.3)	<input type="checkbox"/> Continuous	<input type="checkbox"/> Periodic
Cold-formed steel framing (1707.4)	<input type="checkbox"/> Continuous	<input type="checkbox"/> Periodic
Pier foundations (1707.5)	<input type="checkbox"/> Continuous	<input type="checkbox"/> Periodic
Storage racks & access floors (1707.6)	<input type="checkbox"/> Continuous	<input type="checkbox"/> Periodic
Architectural components (1707.7)	<input type="checkbox"/> Continuous	<input type="checkbox"/> Periodic
Mechanical & electrical items (1707.8)	<input type="checkbox"/> Continuous	<input type="checkbox"/> Periodic
Designated systems verification (1707.9)	<input type="checkbox"/> Continuous	<input type="checkbox"/> Periodic
Seismic isolation systems (1707.10)	<input type="checkbox"/> Continuous	<input type="checkbox"/> Periodic

MISCELLANEOUS AREAS

These inspections are recommended by the Architect/Engineer and approved by DFCM.		Detailed Instructions and Frequencies	
Suspended Ceiling Grid Clips	<input type="checkbox"/> Continuous	<input type="checkbox"/> Periodic	NOT REQUIRED
Suspended Ceiling wire splicing (Seismic)	<input type="checkbox"/> Continuous	<input type="checkbox"/> Periodic	NOT REQUIRED
Soils backfill (specify locations and frequency)	<input type="checkbox"/> Continuous	<input type="checkbox"/> Periodic	
Soils for curb and gutter (specify locations and frequency)	<input type="checkbox"/> Continuous	<input type="checkbox"/> Periodic	
Soils for parking lots (specify locations and frequency)	<input type="checkbox"/> Continuous	<input type="checkbox"/> Periodic	
Soils for utility trench backfill	<input type="checkbox"/> Continuous	<input type="checkbox"/> Periodic	
Reinforcement for slab on grade sidewalks and drive approaches (specify locations and frequency)	<input type="checkbox"/> Continuous	<input type="checkbox"/> Periodic	NOT REQUIRED
Reinforcement for interior slab on grade (specify locations and frequency)	<input type="checkbox"/> Continuous	<input type="checkbox"/> Periodic	NOT REQUIRED
Concrete testing for slab on grade sidewalks and drive approaches (specify locations and frequency)	<input type="checkbox"/> Continuous	<input type="checkbox"/> Periodic	

Concrete testing for interior slab on grade (specify locations and frequency)	<input type="checkbox"/> Continuous	<input type="checkbox"/> Periodic	
Masonry Veneer (specify locations and frequency)	<input type="checkbox"/> Continuous	<input type="checkbox"/> Periodic	NOT REQUIRED
Asphalt inspection (specify locations and frequency)	<input type="checkbox"/> Continuous	<input type="checkbox"/> Periodic	
Asphalt testing (specify locations and frequency)	<input type="checkbox"/> Continuous	<input type="checkbox"/> Periodic	
Inspection of seismic resistance (specify locations and frequency)	<input type="checkbox"/> Continuous	<input checked="" type="checkbox"/> Periodic	INSPECT SHEAR WALL & ROOF DIAPHRAGM NAILING, HOLDDOWNS AND DRAG STRUTS
Steam and water line welding (specify locations and frequency)	<input type="checkbox"/> Continuous	<input type="checkbox"/> Periodic	NOT REQUIRED
Seismic supports for duct work and scaling of joints for duct	<input type="checkbox"/> Continuous	<input type="checkbox"/> Periodic	NOT REQUIRED

Page 4 of 5

work			
Seismic supports for electrical raceways, cable trays and lights	<input type="checkbox"/> Continuous	<input type="checkbox"/> Periodic	NOT REQUIRED
Seismic supports for plumbing lines including gas, water and steam and condensation	<input type="checkbox"/> Continuous	<input type="checkbox"/> Periodic	NOT REQUIRED
Seismic bracing for mechanical units both on slab and suspended	<input type="checkbox"/> Continuous	<input type="checkbox"/> Periodic	NOT REQUIRED
	<input type="checkbox"/> Continuous	<input type="checkbox"/> Periodic	
	<input type="checkbox"/> Continuous	<input type="checkbox"/> Periodic	
	<input type="checkbox"/> Continuous	<input type="checkbox"/> Periodic	
	<input type="checkbox"/> Continuous	<input type="checkbox"/> Periodic	
	<input type="checkbox"/> Continuous	<input type="checkbox"/> Periodic	
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	<input type="checkbox"/> Continuous	<input type="checkbox"/> Periodic	
	<input type="checkbox"/> Continuous	<input type="checkbox"/> Periodic	

Special Inspectors Shall:

- Be approved by the Building Official prior to performing any duties;
- Provide proof of licensure as a special inspector by the State of Utah for each type of inspection;
- Inspection reports are to meet the requirements of IBC 1704.1.2 and DFCM standards;
- Inspection reports are to be submitted to the code consultant, architect, DFCM project manager, and the State of Utah Building Official within 48 hrs. of inspections;
- A final inspection report shall be submitted following completion of the project documenting the types of special inspections performed and a statement indicating that the structure is in compliance with the drawings, specifications and applicable codes. IBC 1704.1.2

Updated July 29, 2010

Page 5 of 5

CONSTRUCTION DOCUMENTS

DLD - OGDEN

SOUTH OGDEN, UTAH

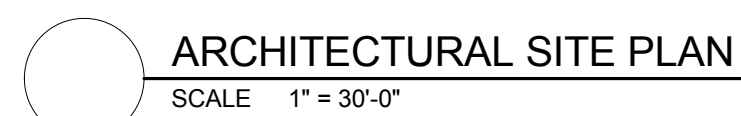
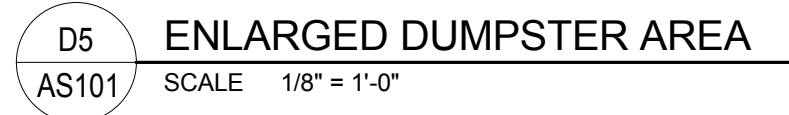


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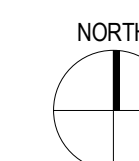
DATE/REVISION 11-24-2010	PROJECT # 10019
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INSPECTION
CHECKLIST

GI112



AS101





PHASING NOTES:

PHASE ONE: PHASE ONE IS DEFINED ON THIS SHEET AND ON SHEET AS101. PHASE ONE INCLUDES THE ENTIRE PROJECT EXCEPT FOR PHASE TWO. PHASE ONE SHALL BE COMPLETE (INCLUDING ALL PUNCHLIST ITEMS) AND OCCUPIED BY THE OWNER PRIOR TO COMMENCEMENT OF PHASE TWO WORK.

PHASE TWO: PHASE TWO IS DEFINED ON THIS SHEET AND ON SHEET AS101. PHASE TWO WORK SHALL NOT COMMENCE UNTIL PHASE ONE IS COMPLETE (INCLUDING ALL PUNCHLIST ITEMS) AND OCCUPIED BY THE OWNER.

NOTE: THE ANTICIPATED DURATION REQUIRED FOR THE OWNER TO MOVE FROM THE EXISTING DLD BUILDING TO THE PHASE ONE DLD BUILDING IS 7 DAYS.

KEY NOTES:

- EXISTING CURB AND GUTTER TO REMAIN
- EXISTING CURB AND GUTTER TO BE REMOVED
- EXISTING CONCRETE TO BE REMOVED
- EXISTING CONCRETE CURB TO BE REMOVED
- EXISTING LIGHT POLE AND BASE TO BE REMOVED
- VERIFY EXTENT OF ASPHALT PAVING TIE-BACK WITH LOCAL JURISDICTION PRIOR TO BID
- EXISTING PROPANE TANK AND BURIED PROPANE LINE TO REMAIN
- EXISTING BOLLARDS TO REMAIN
- EXISTING BOLLARD TO BE REMOVED
- EXISTING FENCE TO REMAIN
- EXISTING CONCRETE SLAB ON GRADE, FOOTING AND FOUNDATION, TRENCH DRAINS AND UTILITIES TO BE REMOVED
- EXISTING FIRE HYDRANT TO REMAIN
- EXISTING BUILDING TO REMAIN
- EXISTING TOWER TO REMAIN
- EXISTING FLAGPOLE AND BASE TO BE REMOVED
- EXISTING CONCRETE RAMP, FOUNDATION WALLS AND FOOTINGS AND STEEL GUARD RAIL TO BE REMOVED
- EXISTING FENCE TO BE REMOVED
- EXISTING FENCE AND GATES TO REMAIN
- EXISTING ELECTRICAL VAULT TO BE REMOVED
- EXISTING SAND AND OIL SEPARATOR TO BE REMOVED
- EXISTING BURIED CONDUITS BETWEEN EXISTING DRIVER LICENSE BUILDING AND EXISTING RADIO TOWER BUILDING TO REMAIN UNTIL PHASE TWO. LOCATION SHOWN ON PLAN IS APPROXIMATE - FIELD VERIFY EXACT LOCATION PRIOR TO BID.
- EXISTING MECHANICAL AND ELECTRICAL EQUIPMENT SERVING EXISTING DRIVER LICENSE BUILDING TO BE REMOVED. EXISTING FENCE AROUND EQUIPMENT TO BE REMOVED. EXISTING CANOPY TO BE REMOVED.
- EXISTING BUILDING TO BE REMOVED IN ITS ENTIRETY INCLUDING ALL UTILITIES, BASEMENT AND ALL OTHER BUILDING COMPONENTS. FIELD VERIFY SCOPE OF DEMOLITION PRIOR TO BID. SEE PHASING NOTES THIS SHEET.
- DASHED LINE INDICATES APPROXIMATE LOCATION OF EXISTING PROPANE LINE TO REMAIN. VERIFY EXACT LOCATION PRIOR TO COMMENCEMENT OF WORK
- PAINT OVER ALL EXISTING PAVEMENT MARKINGS WITH BLACK PAVEMENT MARKING PAINT. EXISTING PAVEMENT MARKINGS NOT SHOWN. FIELD VERIFY EXISTING PAVEMENT MARKINGS PRIOR TO BID
- EXISTING LANDSCAPING/LAWN TO BE REMOVED. EXISTING SPRINKLER SYSTEM TO BE REMOVED
- EXISTING COBBLE TO BE REMOVED
- EXISTING CONC. CURB TO REMAIN
- EXISTING TREES TO BE REMOVED
- EXISTING SEWER MANHOLE TO BE REMOVED. FIELD VERIFY EXACT LOCATION
- EXISTING SEWER LINE TO BE REMOVED OR ABANDONED IN PLACE AT CONTRACTOR'S OPTION. FIELD VERIFY EXACT LOCATION
- EXISTING SEWER LINE TO REMAIN; CAP. FIELD VERIFY EXACT LOCATION
- EXISTING WATER LINE TO REMAIN. FIELD VERIFY EXACT LOCATION
- EXISTING CANOPY AND CONCRETE SLAB TO BE REMOVED. EXISTING MECHANICAL/ELECTRICAL EQUIPMENT TO BE REMOVED
- EXISTING ELEC. EQUIPMENT TO BE REMOVED

GENERAL NOTES:

- CONTRACTOR SHALL BE RESPONSIBLE FOR MAINTAINING ALL EXISTING LANDSCAPING AND SITE IMPROVEMENTS INDICATED TO REMAIN, WHICH ARE TO REMAIN FREE FROM DAMAGE DURING CONSTRUCTION BOTH INSIDE AND OUTSIDE THE CONTRACT LIMIT LINE. CONTRACTOR SHALL REPAIR OR REPLACE ANY DAMAGED ITEM OR SITE IMPROVEMENTS AS SPECIFIED, OR IF NOT SPECIFIED, TO MATCH EXISTING ADJACENT CONSTRUCTION.
- CONTRACTOR SHALL VERIFY EXACT LOCATION OF ALL UTILITIES AND SITE IMPROVEMENTS WHICH ARE AFFECTED BY, OR WHICH TIE-IN WITH NEW CONSTRUCTION.
- PROVIDE TEMPORARY 6'-0" (MIN.) HIGH CHAINLINK FENCE AT PROJECT LIMIT LINE, COMPLETE WITH GATES AS REQUIRED, UNLESS NOTED OTHERWISE.
- EXISTING ROAD, PARKING, SERVICE DRIVES, AND SIDEWALKS SHALL REMAIN ACCESSIBLE AND BE KEPT CLEAR OF CONSTRUCTION EQUIPMENT MATERIALS, MUD, DIRT, AND OTHER DEBRIS.
- SEE CIVIL AND LANDSCAPE DRAWINGS FOR EXTENT OF SITE WORK.
- CONTRACT LIMIT LINE DOES NOT PERTAIN TO SITE UTILITIES.
- ALL CONCRETE PAVING, FOUNDATION WALLS, FOOTINGS, SLABS ON GRADE, RETAINING WALLS AND CURB AND GUTTER WITHIN CONTRACT LIMIT LINE TO BE REMOVED, UNLESS NOTED OTHERWISE.
- ALL ASPHALT PAVING WITHIN CONTRACT LIMIT LINE TO BE REMOVED, UNLESS NOTED OTHERWISE.
- ALL EXISTING PLANTS WITHIN CONTRACT LIMIT LINE TO BE REMOVED, UNLESS NOTED OTHERWISE.
- ALL EXISTING FENCES, FENCE POSTS AND FENCE POST BASES WITHIN CONTRACT LIMIT LINE TO BE REMOVED, UNLESS NOTED OTHERWISE.

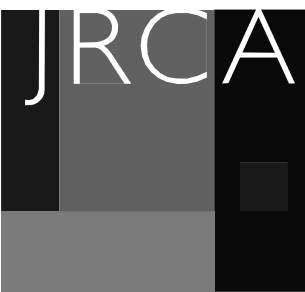
LEGEND:

- EXISTING ASPHALT PAVING TO BE REMOVED
- EXISTING ASPHALT PAVING TO REMAIN. PAINT OVER ALL EXISTING PAVEMENT MARKINGS WITH BLACK PAVEMENT MARKING PAINT. EXISTING PAVEMENT MARKINGS NOT SHOWN. FIELD VERIFY EXISTING PAVEMENT MARKINGS PRIOR TO BID

CONSTRUCTION DOCUMENTS

DLD - OGDEN

SOUTH OGDEN, UTAH



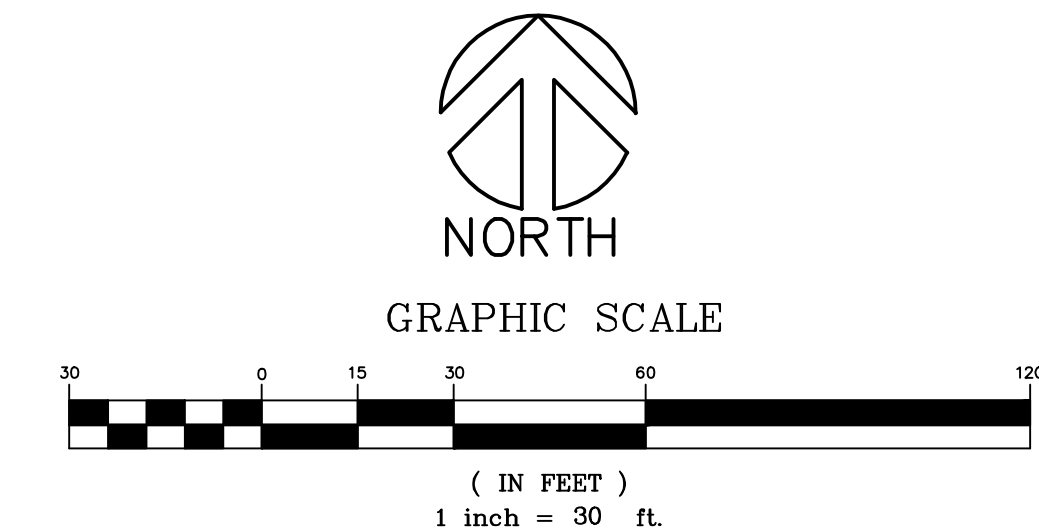
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DATE/REVISION	PROJECT #
11-24-2010	10019

SITE DEMOLITION
PLAN

DS101

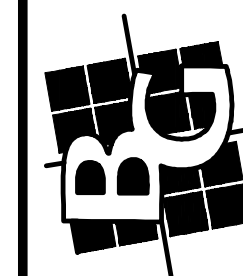
SITE PLAN - DEMOLITION
SCALE 1" = 30'-0"



GENERAL NOTES:

1. CONTRACTOR SHALL HAVE OBTAINED AND REVIEWED THE GEOTECHNICAL INVESTIGATION, PREPARED BY PROFESSIONAL SERVICE INDUSTRIES DATED SEPTEMBER 22, 2010, AND SHALL BE FAMILIAR WITH THE RECOMMENDATIONS MADE IN THAT REPORT.
2. STRIP AND REMOVE EXISTING VEGETATION, ORGANIC TOPSOILS, DEBRIS, FILL, EXISTING FOUNDATIONS, PAVEMENT STRUCTURE, AND OTHER DELETERIOUS MATERIALS FROM THE BUILDING AND PAVEMENT AREAS. UNSUITABLE MATERIALS SHALL BE REMOVED FROM BENEATH THE PROPOSED CONSTRUCTION. AFTER THE SITE HAS BEEN CLEARED AND STRIPPED, THE SUBGRADE SOILS IN AREAS TO RECEIVE FILL AND/OR STRUCTURES OR PAVEMENTS SHOULD BE SCARIFIED MOISTURE CONDITIONAL AND COMPACTED TO A MINIMUM OF 90 PERCENT BASED UPON ASTM DESIGNATION D-1557.
3. ON-SITE GRANULAR SOILS ARE GENERALLY SUITABLE FOR REUSE AS STRUCTURAL FILL, SITE GRADING FILL AND UTILITY TRENCH BACKFILL. IMPORTED FILL MATERIAL SHALL CONSIST OF WELL-GRADED SAND AND GRAVEL MATERIALS THAT ARE FREE OF ORGANIC OR OTHER DELETERIOUS MATERIALS. IMPORTED FILL MATERIAL SHALL BE A NON-EXPANSIVE, GRANULAR SOIL WITH A PLACQUETTE INDEX LESS THAN 15. MATERIALS WHICH THE GRADATION IDENTIFIED IN THE GEOTECHNICAL INVESTIGATION. STRUCTURAL FILL SHALL BE FREE OF FROZEN MATERIALS, SOD, OR ANY OTHER DELETERIOUS MATERIALS. REFER TO SPECIFICATIONS.
4. PLACE AND COMPACT FILL MATERIALS IN HORIZONTAL LIFTS NOT EXCEEDING 6 TO 8 INCHES IN LOOSE THICKNESS, USING EQUIPMENT AND PROCEDURES THAT WILL PRODUCE RECOMMENDED WATER CONTENTS AND DENSITIES THROUGHOUT THE LIFT. FILL MATERIALS PLACED BENEATH FOUNDATION AREAS SHALL BE COMPACTED TO AT LEAST 95 PERCENT OF MAXIMUM DRY DENSITY AS DETERMINED BY ASTM D 1557. FILL MATERIALS PLACED BENEATH PAVEMENTS, FLOOR SLABS OR CONCRETE FLAT WORK AREAS SHALL BE COMPACTED TO AT LEAST 90 PERCENT OF MAXIMUM DRY DENSITY AS DETERMINED BY ASTM D 1557.
5. HEAVY DUTY PAVEMENT STRUCTURAL SECTION SHALL CONSIST OF 1-1/2 INCHES OF ASPHALT SURFACE COURSE OVER 2-1/2 INCH ASPHALTIC BINDER CONCRETE OVER 8 INCHES OF UNTREATED BASE COURSE OVER A PREPARED SUBGRADE. LIGHT DUTY ASPHALT PAVEMENT STRUCTURAL SECTION SHALL CONSIST OF 1-1/2 INCHES OF ASPHALT SURFACE COURSE OVER 1-1/2 INCHES ASPHALT BINDER CONCRETE OVER 6 INCHES OF UNTREATED BASE COURSE OVER A PREPARED SUBGRADE. BASE COURSE GRADATION SHALL MEET THE GRADATION CRITERIA PRESENTED IN THE GEOTECHNICAL INVESTIGATION.
6. NO GRADE CHANGES WILL BE PERMITTED FROM THAT SHOWN AND APPROVED ON THIS PLAN WITHOUT RESUBMITTING THE PROPOSED CHANGES TO THE OWNER, HIS REPRESENTATIVE, AND TO THE SOUTH OGDEN CITY ENGINEERING DEPARTMENT.

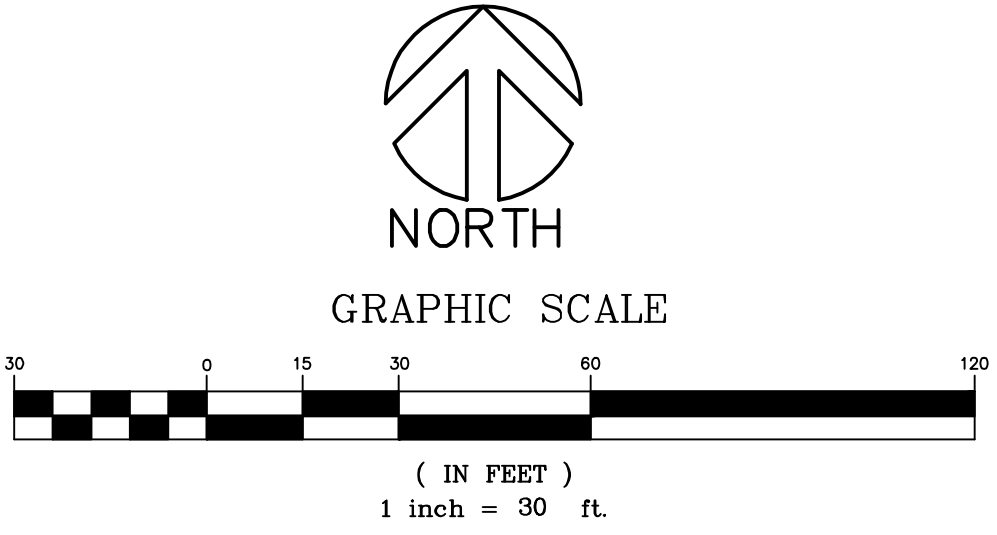
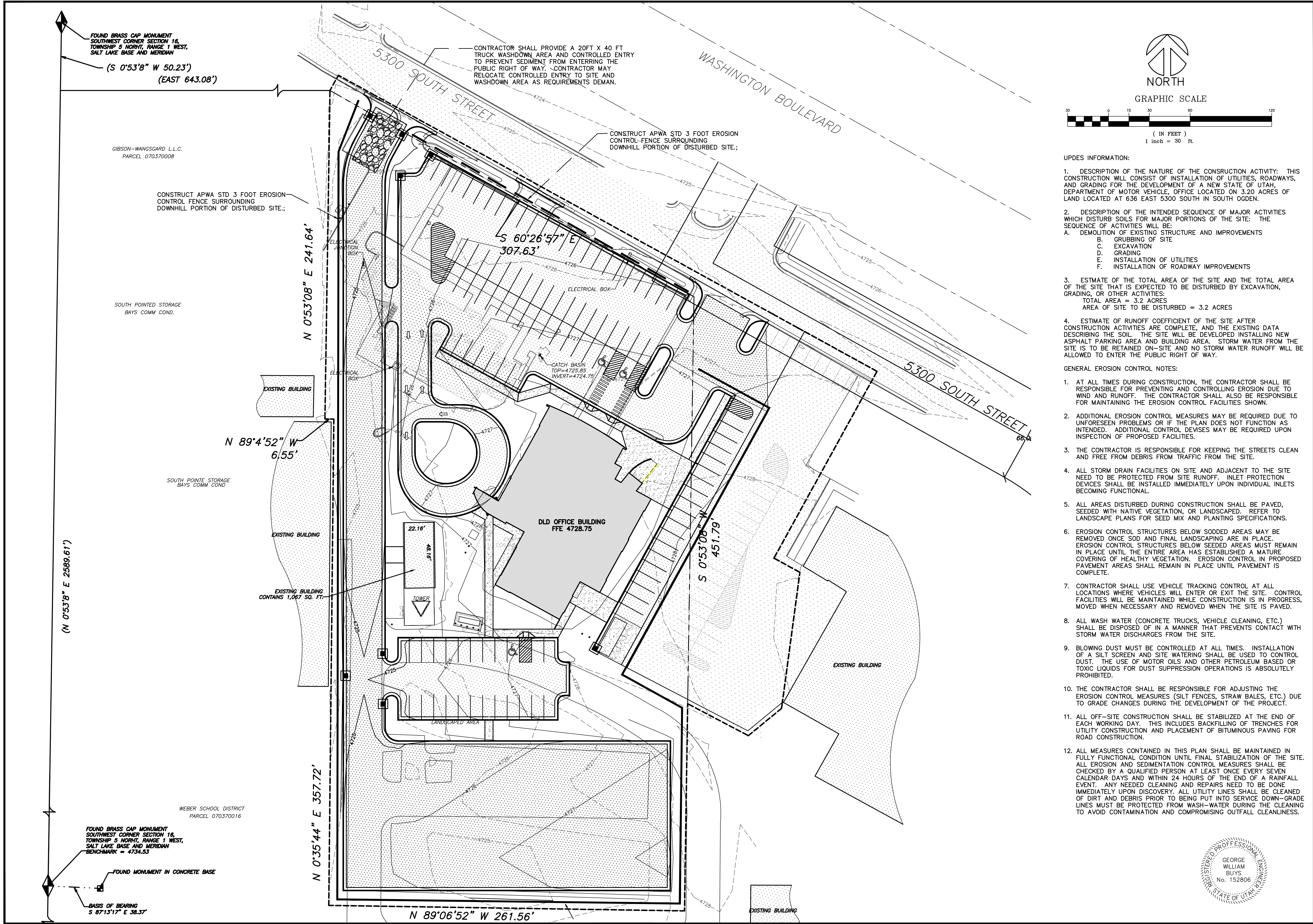
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Engineers - Planners - Surveyors
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Drawn : **QWB** Date : **11/24/2010**
 Designer : **QWB**
 Checked : **QWB**
 Approved : _____
 Scale : **1 INCH = 30 FEET**
 Job No : **102103**

SHEETS	SHEET	DLD SOUTH OGDEN, 615 EAST 5300 SOUTH GRADING PLAN LOCATION: SEC 16, T5N, R1W, S.L.B.&M. PREPARED FOR: JRCA ARCHITECTS
	C-2	
FILE: 102103		

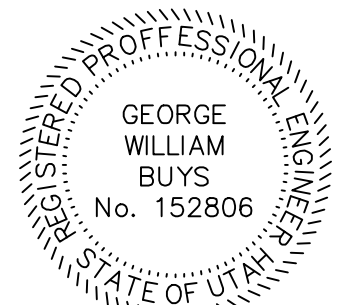
Z:\B\102000-102000\102100-102100\102103.JRCA.DLD 80 OGDEN\102103 BASE.dwg



- UPDES INFORMATION:
- DESCRIPTION OF THE NATURE OF THE CONSRUCTION ACTIVITY: THIS CONSTRUCTION WILL CONSIST OF INSTALLATION OF UTILITIES, ROADWAYS, AND GRADING FOR THE DEVELOPMENT OF A NEW STATE OF UTAH, DEPARTMENT OF MOTOR VEHICLE, OFFICE LOCATED ON 3.20 ACRES OF LAND LOCATED AT 636 EAST 5300 SOUTH IN SOUTH OGDEN.
 - DESCRIPTION OF THE INTENDED SEQUENCE OF MAJOR ACTIVITIES WHICH DISTURB SOILS FOR MAJOR PORTIONS OF THE SITE: THE SEQUENCE OF ACTIVITIES WILL BE:
 - DEMOLITION OF EXISTING STRUCTURE AND IMPROVEMENTS
 - GRUBBING OF SITE
 - EXCAVATION
 - GRADING
 - INSTALLATION OF UTILITIES
 - INSTALLATION OF ROADWAY IMPROVEMENTS
 - ESTMATE OF THE TOTAL AREA OF THE SITE AND THE TOTAL AREA OF THE SITE THAT IS EXPECTED TO BE DISTURBED BY EXCAVATION, GRADINGS, OR OTHER ACTIVITIES:

TOTAL AREA = 3.2 ACRES
AREA OF SITE TO BE DISTURBED = 3.2 ACRES
 - ESTIMATE OF RUNOFF COEFFICIENT OF THE SITE AFTER CONSTRUCTION ACTIVITIES ARE COMPLETE, AND THE EXISTING DATA DESCRIBING THE SOIL. THE SITE WILL BE DEVELOPED INSTALLING NEW ASPHALT PARKING AREA AND BUILDING AREA. STORM WATER FROM THE SITE IS TO BE RETAINED ON-SITE AND NO STORM WATER RUNOFF WILL BE ALLOWED TO ENTER THE PUBLIC RIGHT OF WAY.

- GENERAL EROSION CONTROL NOTES:
- AT ALL TIMES DURING CONSTRUCTION, THE CONTRACTOR SHALL BE RESPONSIBLE FOR PREVENTING AND CONTROLLING EROSION DUE TO WIND AND RUNOFF. THE CONTRACTOR SHALL ALSO BE RESPONSIBLE FOR MAINTAINING THE EROSION CONTROL FACILITIES SHOWN.
 - ADDITIONAL EROSION CONTROL MEASURES MAY BE REQUIRED DUE TO UNFORESEEN PROBLEMS OR IF THE PLAN DOES NOT FUNCTION AS INTENDED. ADDITIONAL CONTROL DEVICES MAY BE REQUIRED UPON INSPECTION OF PROPOSED FACILITIES.
 - THE CONTRACTOR IS RESPONSIBLE FOR KEEPING THE STREETS CLEAN AND FREE FROM DEBRIS FROM TRAFFIC FROM THE SITE.
 - ALL STORM DRAIN FACILITIES ON SITE AND ADJACENT TO THE SITE NEED TO BE PROTECTED FROM SITE RUNOFF. INLET PROTECTION DEVICES SHALL BE INSTALLED IMMEDIATELY UPON INDIVIDUAL INLETS BECOMING FUNCTIONAL.
 - ALL AREAS DISTURBED DURING CONSTRUCTION SHALL BE PAVED, SEEDED WITH NATIVE VEGETATION, OR LANDSCAPED. REFER TO LANDSCAPE PLANS FOR SEED MIX AND PLANTING SPECIFICATIONS.
 - EROSION CONTROL STRUCTURES BELOW SODDED AREAS MAY BE REMOVED ONCE SOD AND FINAL LANDSCAPING ARE IN PLACE. EROSION CONTROL STRUCTURES BELOW SEEDED AREAS MUST REMAIN IN PLACE UNTIL THE ENTIRE AREA HAS ESTABLISHED A MATURE COVERING OF HEALTHY VEGETATION. EROSION CONTROL IN PROPOSED PAVEMENT AREAS SHALL REMAIN IN PLACE UNTIL PAVEMENT IS COMPLETE.
 - CONTRACTOR SHALL USE VEHICLE TRACKING CONTROL AT ALL LOCATIONS WHERE VEHICLES WILL ENTER OR EXIT THE SITE. CONTROL FACILITIES WILL BE MAINTAINED WHILE CONSTRUCTION IS IN PROGRESS, MOVED WHEN NECESSARY AND REMOVED WHEN THE SITE IS PAVED.
 - ALL WASH WATER (CONCRETE TRUCKS, VEHICLE CLEANING, ETC.) SHALL BE DISPOSED OF IN A MANNER THAT PREVENTS CONTACT WITH STORM WATER DISCHARGES FROM THE SITE.
 - BLOWING DUST MUST BE CONTROLLED AT ALL TIMES. INSTALLATION OF A SILT SCREEN AND SITE WATERING SHALL BE USED TO CONTROL DUST. THE USE OF MOTOR OILS AND OTHER PETROLEUM BASED OR TOXIC LIQUIDS FOR DUST SUPPRESSION OPERATIONS IS ABSOLUTELY PROHIBITED.
 - THE CONTRACTOR SHALL BE RESPONSIBLE FOR ADJUSTING THE EROSION CONTROL MEASURES (SILT FENCES, STRAW BALES, ETC.) DUE TO GRADE CHANGES DURING THE DEVELOPMENT OF THE PROJECT.
 - ALL OFF-SITE CONSTRUCTION SHALL BE STABILIZED AT THE END OF EACH WORKING DAY. THIS INCLUDES BACKFILLING OF TRENCHES FOR UTILITY CONSTRUCTION AND PLACEMENT OF BITUMINOUS PAVING FOR ROAD CONSTRUCTION.
 - ALL MEASURES CONTAINED IN THIS PLAN SHALL BE MAINTAINED IN FULLY FUNCTIONAL CONDITION UNTIL FINAL STABILIZATION OF THE SITE. ALL EROSION AND SEDIMENTATION CONTROL MEASURES SHALL BE CHECKED BY A QUALIFIED PERSON AT LEAST ONCE EVERY SEVEN CALENDAR DAYS AND WITHIN 24 HOURS OF THE END OF A RAINFALL EVENT. ANY NEEDED CLEANING AND REPAIRS NEED TO BE DONE IMMEDIATELY UPON DISCOVERY. ALL UTILITY LINES SHALL BE CLEANED OF DIRT AND DEBRIS PRIOR TO BEING PUT INTO SERVICE DOWN-GRADE LINES MUST BE PROTECTED FROM WASH-WATER DURING THE CLEANING TO AVOID CONTAMINATION AND COMPROMISING OUTFALL CLEANLINESS.



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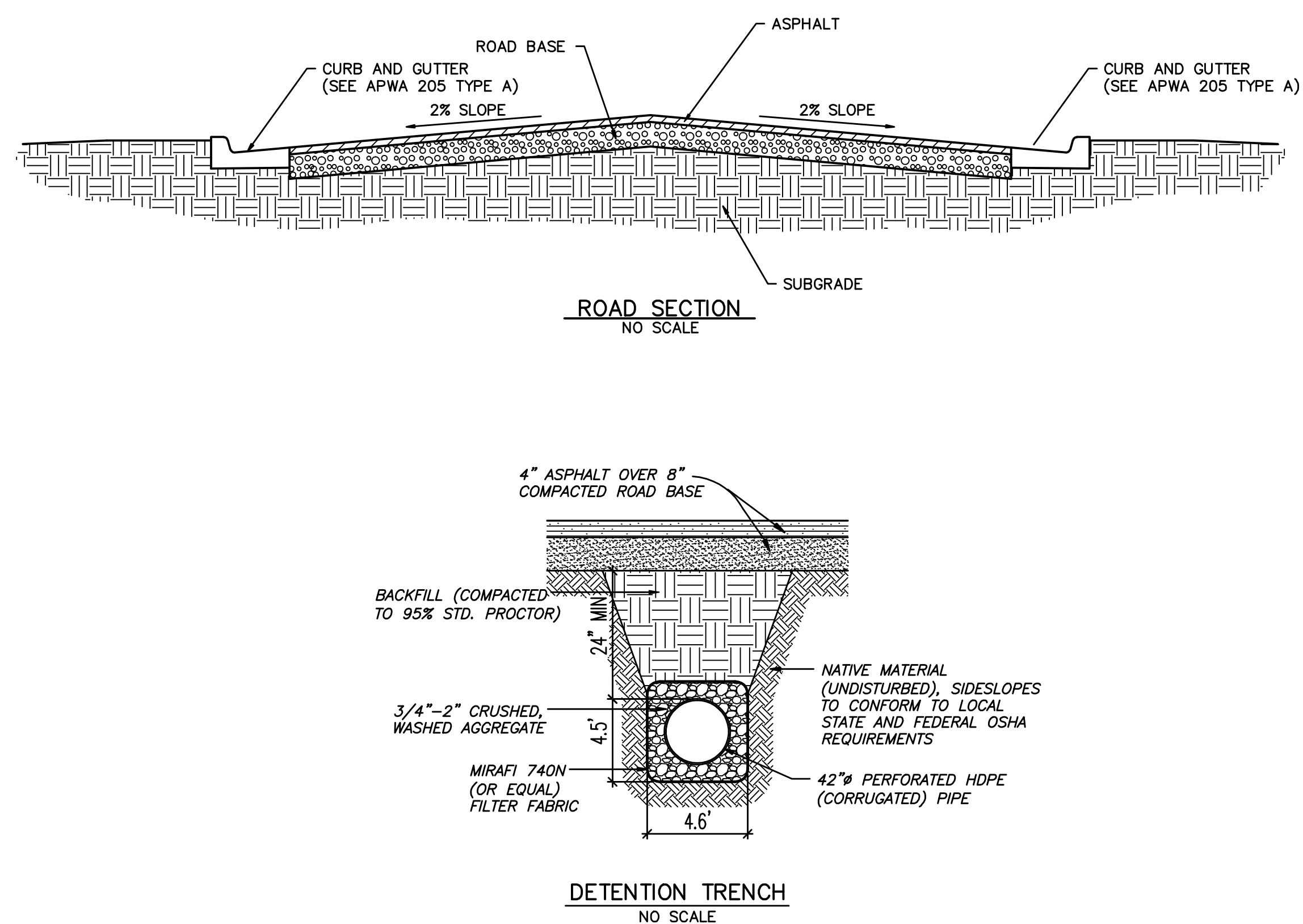
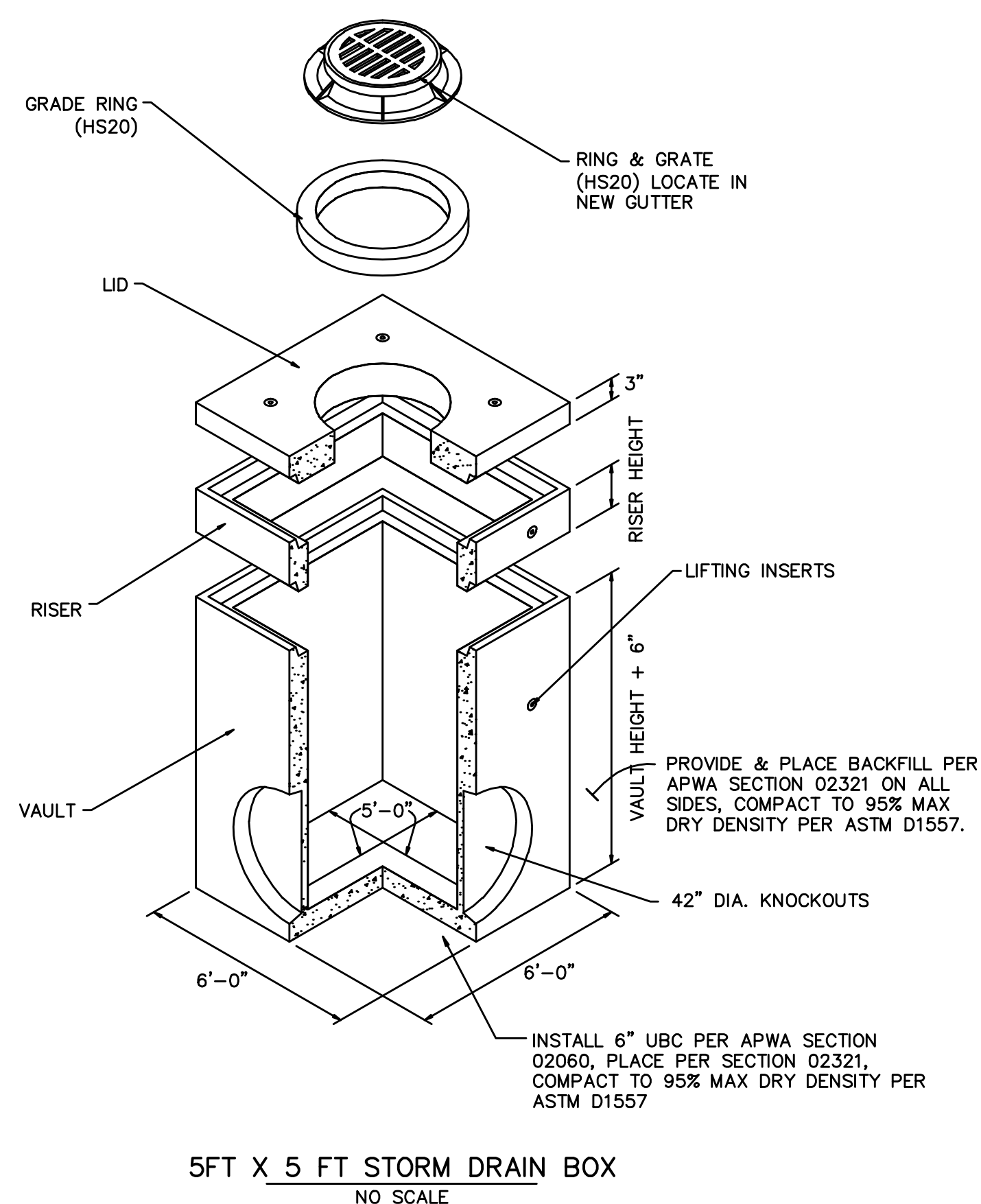
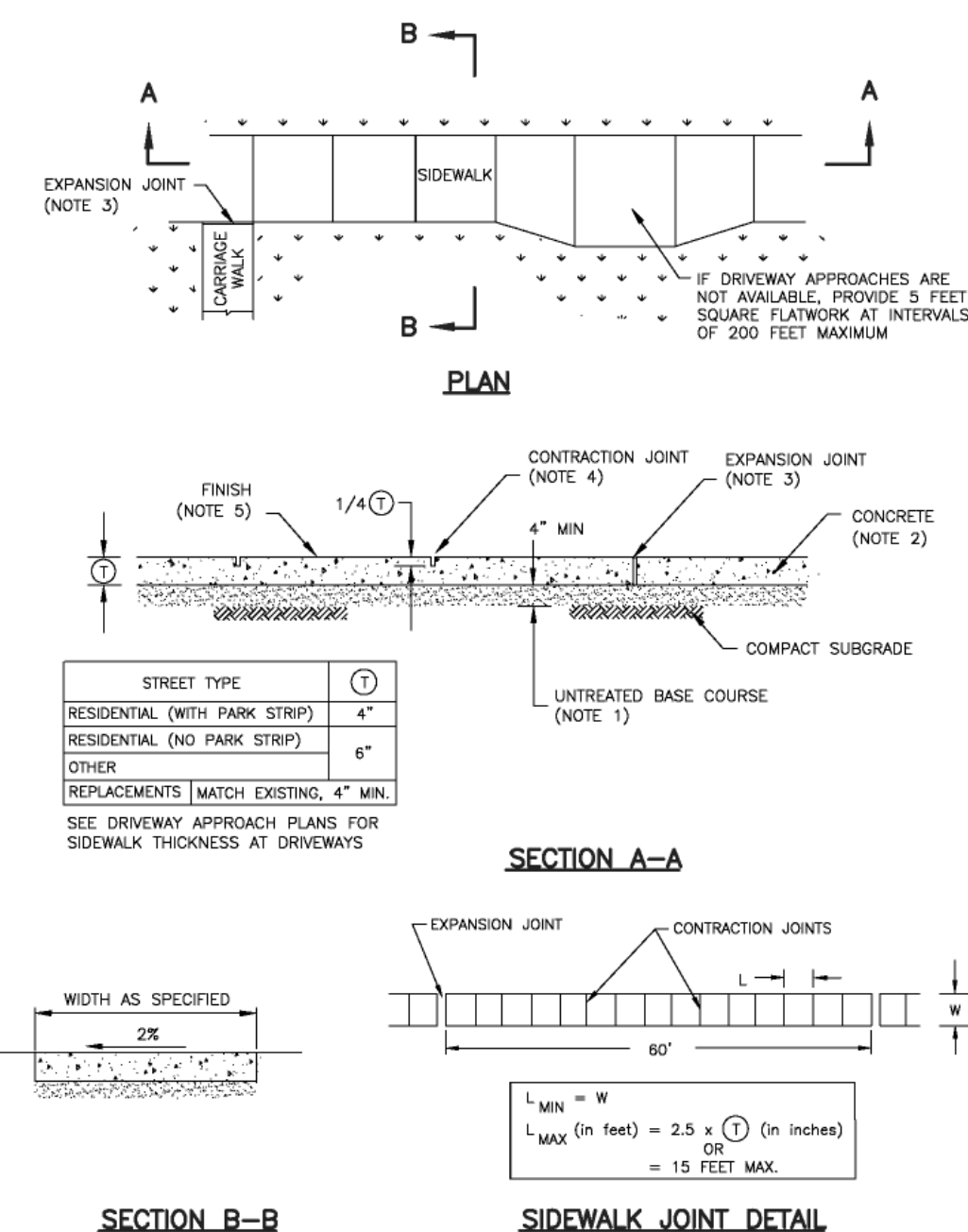
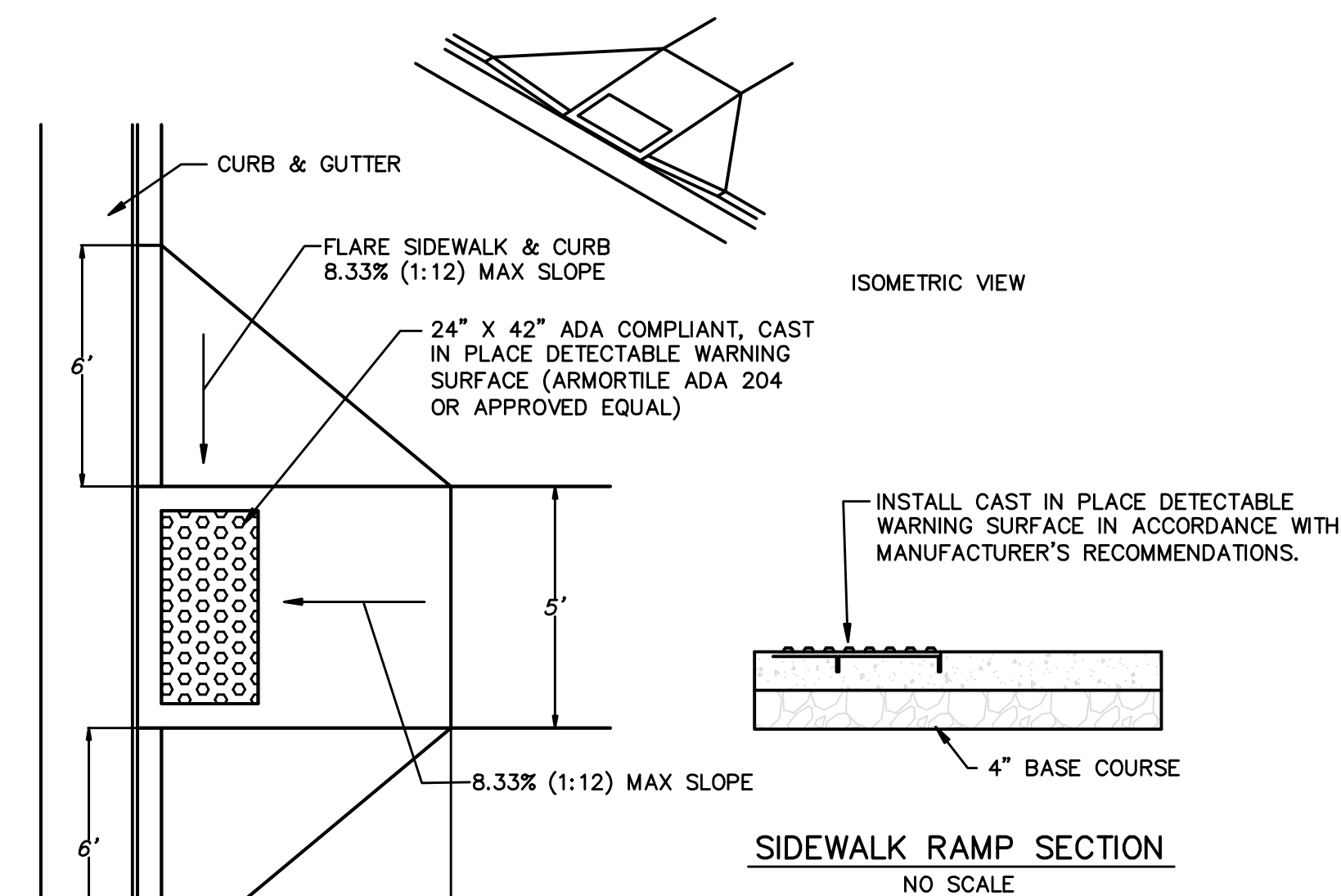
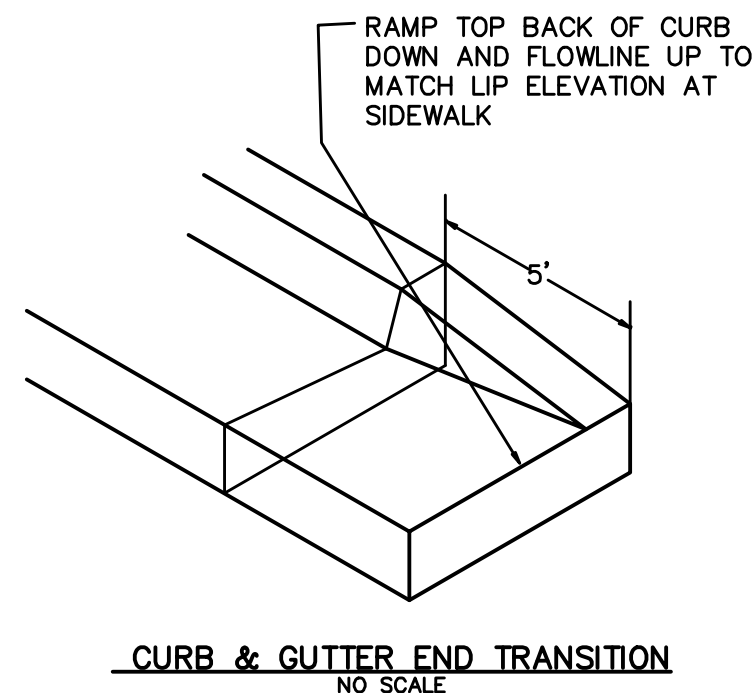
102103

**DLD SOUTH OGDEN, 615 EAST 5300 SOUTH
STORM WATER POLLUTION PREVENTION PLAN
LOCATION: SEC 16, T5N, R1W, S.L.B.&M.
PREPARED FOR: JRCA ARCHITECTS**

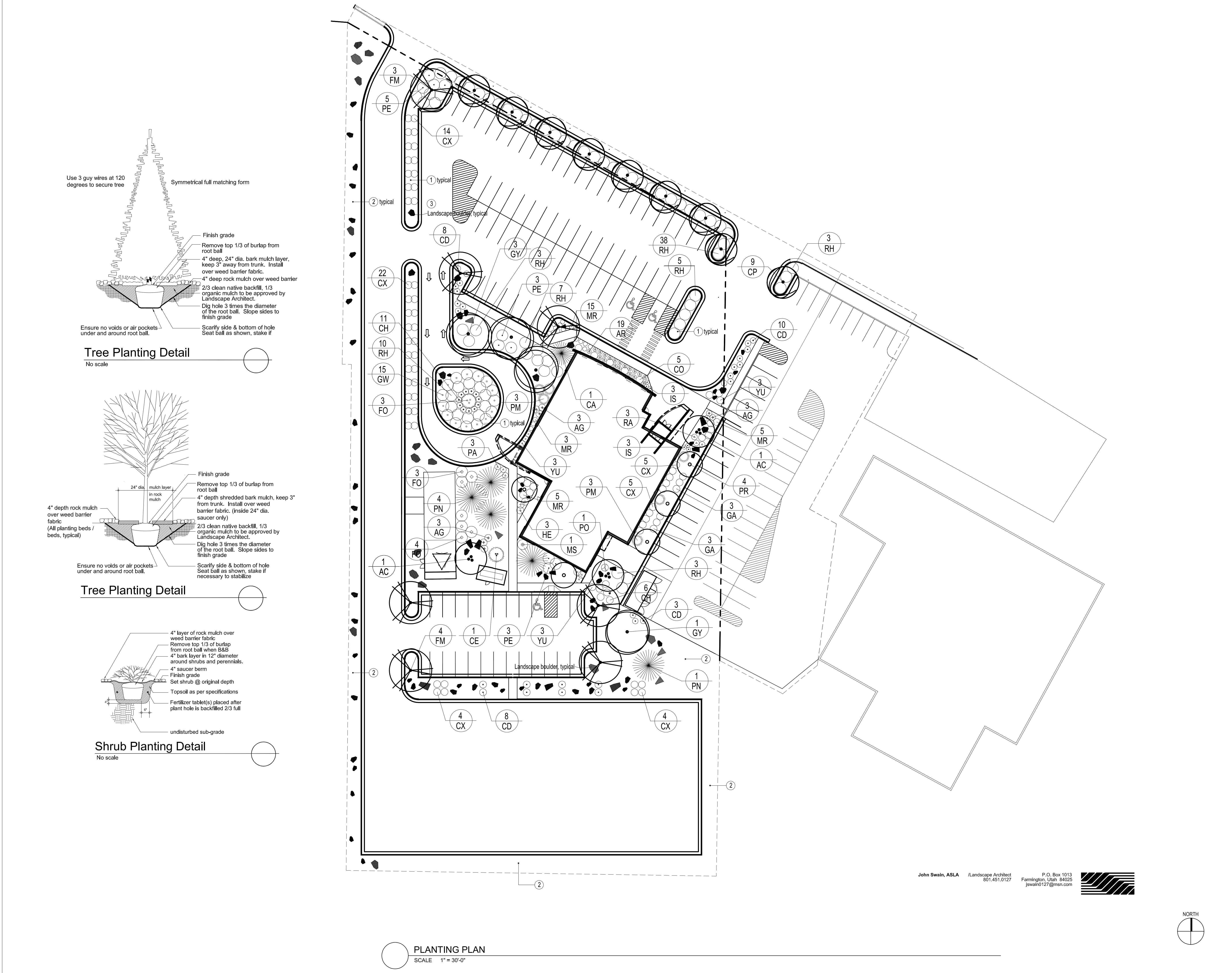
SHEET
102103
SHEETS
FILE: 102103

Concrete sidewalk

1. **UNTREATED BASE COURSE:** Provide material specified in APWA Section 32 11 23.
 - A. Do not use gravel as a substitute for untreated base course without ENGINEER's permission.
 - B. Place material per APWA Section 32 05 10.
 - C. Compact per APWA Section 31 23 26 to a modified proctor density of 95 percent, or greater. Maximum fill thickness before compaction is 8 inches when using riding compaction equipment or 6 inches when using hand held compaction equipment.
2. **CONCRETE:** Class 4000 per APWA Section 03 30 04.
 - A. If necessary, provide concrete that achieves design strength in less than 7 days. Caution; concrete cracking (spider cracks) may develop if air temperature exceeds 90 degrees F.
 - B. Place concrete per APWA Section 03 30 10.
 - C. Provide 1/2 inch radius on concrete edges exposed to public view.
 - D. Cure concrete per APWA Section 03 39 00 with type ID Class A or B (clear with fugitive dye) membrane forming compound unless specified otherwise.
3. **EXPANSION JOINT:** Make expansion joints vertical, full depth, 1/2 inch wide with type F1 joint filler material per APWA Section 32 13 73.
 - A. Set top of filler flush with surface of concrete.
 - B. Expansion joints are not required in slip formwork except at the start or end of the installation activity.
4. **CONTRACTION JOINT:** Make contraction joints vertical.
 - A. 1/8 inch wide and 1 inch deep or 1/4 slab thickness if slab is greater than 4 inches thick.
 - B. Maximum length to width ratio for non-square panels is 1.5 to 1.
5. **FINISH:** Broomed.



APWA STD 122 SILT FENCE APWA STD 126 STABILIZED ENTRY APWA STD 205 CURB & GUTTER APWA STD 211 WATERWAY APWA STD 213 WATERWAY TRANSITION
 NO SCALE NO SCALE NO SCALE NO SCALE NO SCALE



PLANT MATERIAL LIST

TREES

AC-Acer ginnala 'Red Flame', Clump Amur Maple, 8-10' specimen "multi-stem"
CA-Cedrus atlantica glauca, Blue Atlas Cedar, 8' tall B&B
CP-Crataegus phaenopyrum 'Washington', Washington Hawthorn, 2" cal. B&B
FM-Fraxinus mandshurica 'Mancana', Mancana Ash, 2" cal. B&B
GY-Gymnocladus dioica, Kentucky Coffee Tree, 2" cal. B&B
PN-Prunus nigra, Austrian Pine, 8' tall B&B
PR-Prunus virginiana 'Canada Red', Canada Red Chokecherry, 2" cal.

SHRUBS

AR-Arctostaphylos uva-ursi 'Massachusetts', Kinnikinnick, 2 gal.
CD-Caryopteris x clandonensis 'Dark Knight', Blue Mist Spirea, 5 gal.
CE-Cercocarpus ledifolius, Curl Leaf Mt. Mahogany, 5 gal.
CH-Chrysanthemum nauseosus ssp., Dwarf Blue Rabbitbrush, 5 gal.
CO-Cornus alba 'Elegantissima', Variegated Dogwood, 5 gal.
(center between windows on north side of building)
FO-Forestiera neomexicana, New Mexico Privet, 5 gal.
PO-Potentilla fruticosa 'Goldfinger', Shrubby Cinquefoil, 2 gal.
PM-Pinus mugo mugo 'Pumilio', Dwarf Mugho Pine, 7 gal.
RA-Ribes alpinum, Alpine Currant, 2 gal.
RH-Rhus aromatica 'Grow Low', Grow Low Sumac, 2 gal.

PERENNIALS / GRASSES / GROUND COVERS

AG-Agastache 'Sunset Hyssop', Hyssop, 2 gal.
AR-Arctostaphylos uva-ursi, Bearberry, 2 gal.
CX-Calamagrostis x acutiflora 'Karl Foerster', Feather Grass, 2 gal.
GA-Gaura 'Perky Pink', Wandflower, 1 gal.
GW-Gaura 'Whirling Butterfly', Wandflower, 1 gal.
HE-Hemerocallis 'Stella d'Oro', Daylily, 1 gal.
IS-Iris sibirica 'Caesar's Brother', Siberian Iris, 1 gal.
MR-Mahonia repens, Creeping Oregon Grape, 1 gal.
MS-Miscanthus sinensis 'Morning Light', Maiden Grass, 5 gal.
PA-Pennisetum alopecuroides, Fountain Grass, 1 gal.
PE-Perovskia atriplicifolia, Russian Sage, 1 gal.
YU-Yucca filamentosa, Yucca, 2 gal.

NOTES:

- ① All planting areas to receive rock mulch layer over weed barrier fabric, 4" depth of 2-3" rock mulch typical.
- ② All areas, including those without planting and irrigation, receive rock mulch layer over weed barrier fabric. 4" depth of 2-3" rock mulch, typical.
- ③ Landscape boulders: approximate size and shape shown on drawings. Place as shown on drawings. Submit source of boulders for approval regarding color and form.

PERMIT DOCUMENTS

DLD - OGDEN

SOUTH OGDEN, UTAH



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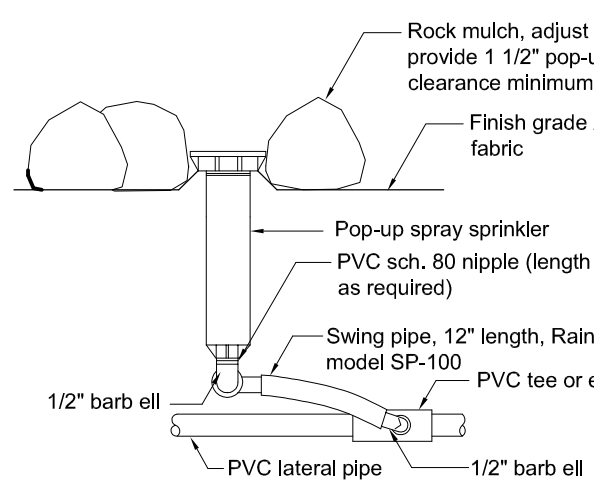
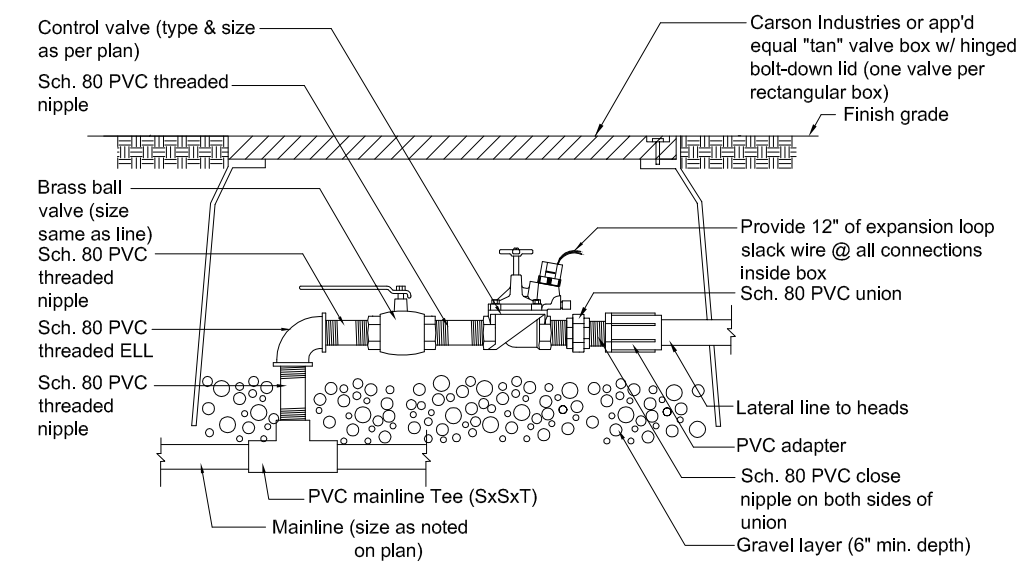
LANDSCAPE
PLANTING PLAN

L101

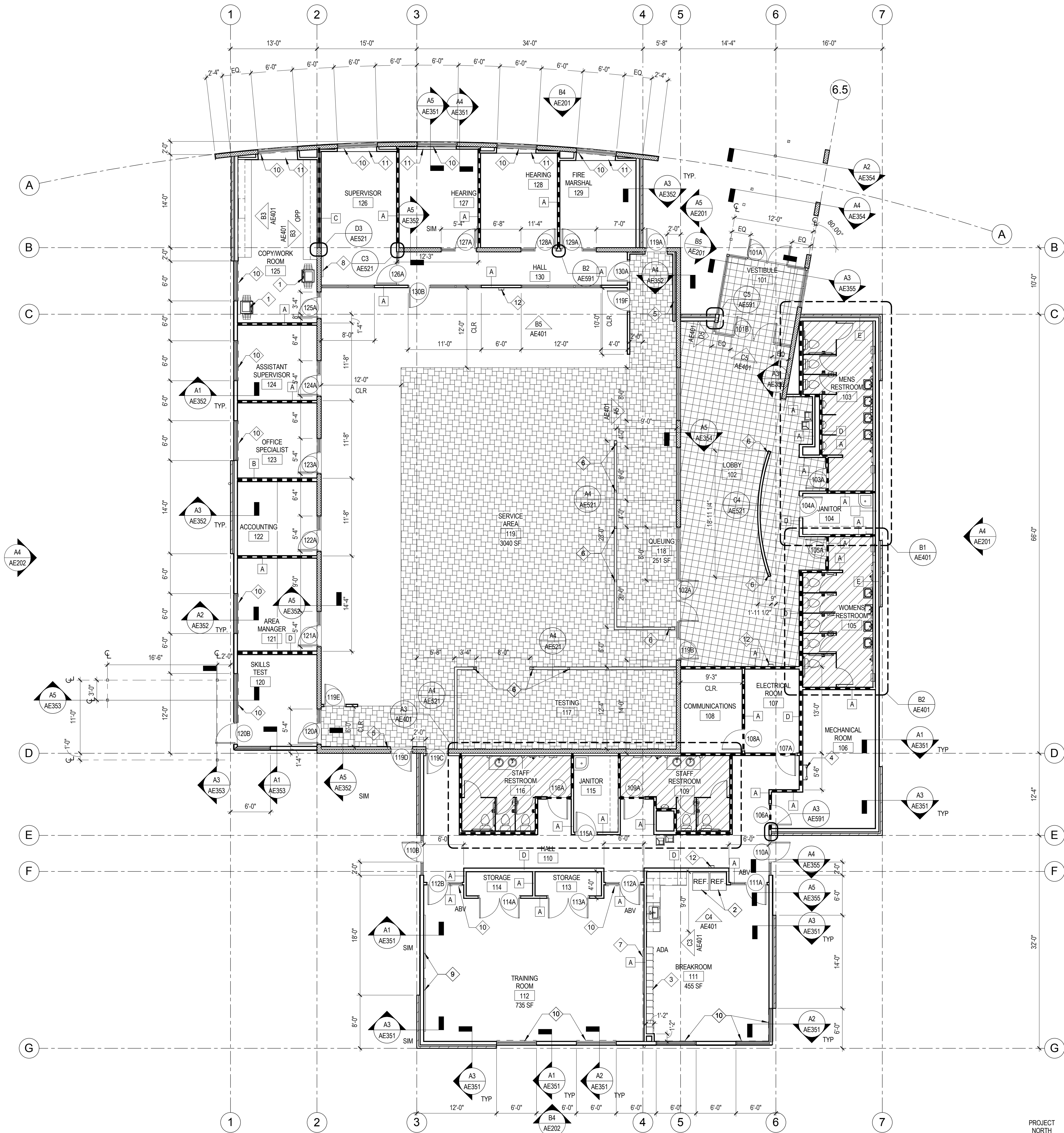
John Swain, ASLA /Landscape Architect 801.451.0127
P.O. Box 1013 Farmington, Utah 84025 jswain0127@msn.com



PLANTING PLAN
SCALE 1" = 30'-0"



L102



FLOOR PLAN
SCALE 1/8" = 1'-0"

GENERAL NOTES:

- SEE SHEET GH101 FOR ARCHITECTURAL LEGENDS, SYMBOLS, AND ABBREVIATIONS.
- ALL DIMENSIONS ARE TO FACE OF STUD OR MASONRY, U.N.O.
- ALL FLOOR FINISH TRANSITIONS OCCUR AT CENTER LINE OF DOORS IN CLOSED POSITION U.N.O.
- COORDINATE LOCATIONS OF ALL FLOOR AND ROOF DRAINS WITH PLUMBING PLANS.
- COORDINATE ALL EDGE OF FLOOR TILE DIMENSIONS WITH FURNITURE MANUFACTURER PRIOR TO COMMENCEMENT OF WORK.

KEY NOTES:

- COPY MACHINE, NIC
- REFRIGERATOR, NIC
- PRE-MANUFACTURED WOOD LOCKERS; 12"x12"x72", DOUBLE TIER
- ROOF ACCESS LADDER; SEE B5/AE541
- 5/8" GYPSUM BOARD OVER 3 5/8" METAL STUDS @ 16" O.C. WITH R-19 BATT INSULATION
- 3 1/2" x 3 1/2" x 5/16" STEEL TUBE WITH 3 1/2" x 6 1/2" x 5/16" BASE PLATE WITH (4) 3/8" DIAMETER x 4" STEEL EXPANSION BOLTS
- WALL MOUNT PROJECTION SCREEN
- 4' HIGH x 3' WIDE WHITE BOARD; B.O. BOARD 3'-0" AFF
- 4' HIGH x 8' WIDE WHITE BOARD; B.O. BOARD 3'-0" AFF
- WINDOW BLINDS; FULL HEIGHT AND WIDTH OF WINDOW
- SOLID SURFACE WINDOW SILL
- FIRE EXTINGUISHER AND CABINET

LEGEND:

- A WALL TYPE; SEE SHEET AE511
- 101A DOOR SYMBOL; SEE DOOR SCHEDULE - SHEET AE601
- ROOM 101 ROOM SYMBOL; SEE FINISH SCHEDULE - SHEET AE601
- DEPRESSED SLAB 1 1/2"

INTERIOR WALL LEGEND:

- SOUND WALL; EXTEND WALL ASSEMBLY TO B.O. ROOF DECK; COMPLY WITH D1/AE511, D2/AE511, D3/AE511 AND D4/AE511

CONSTRUCTION DOCUMENTS

DLD - OGDEN

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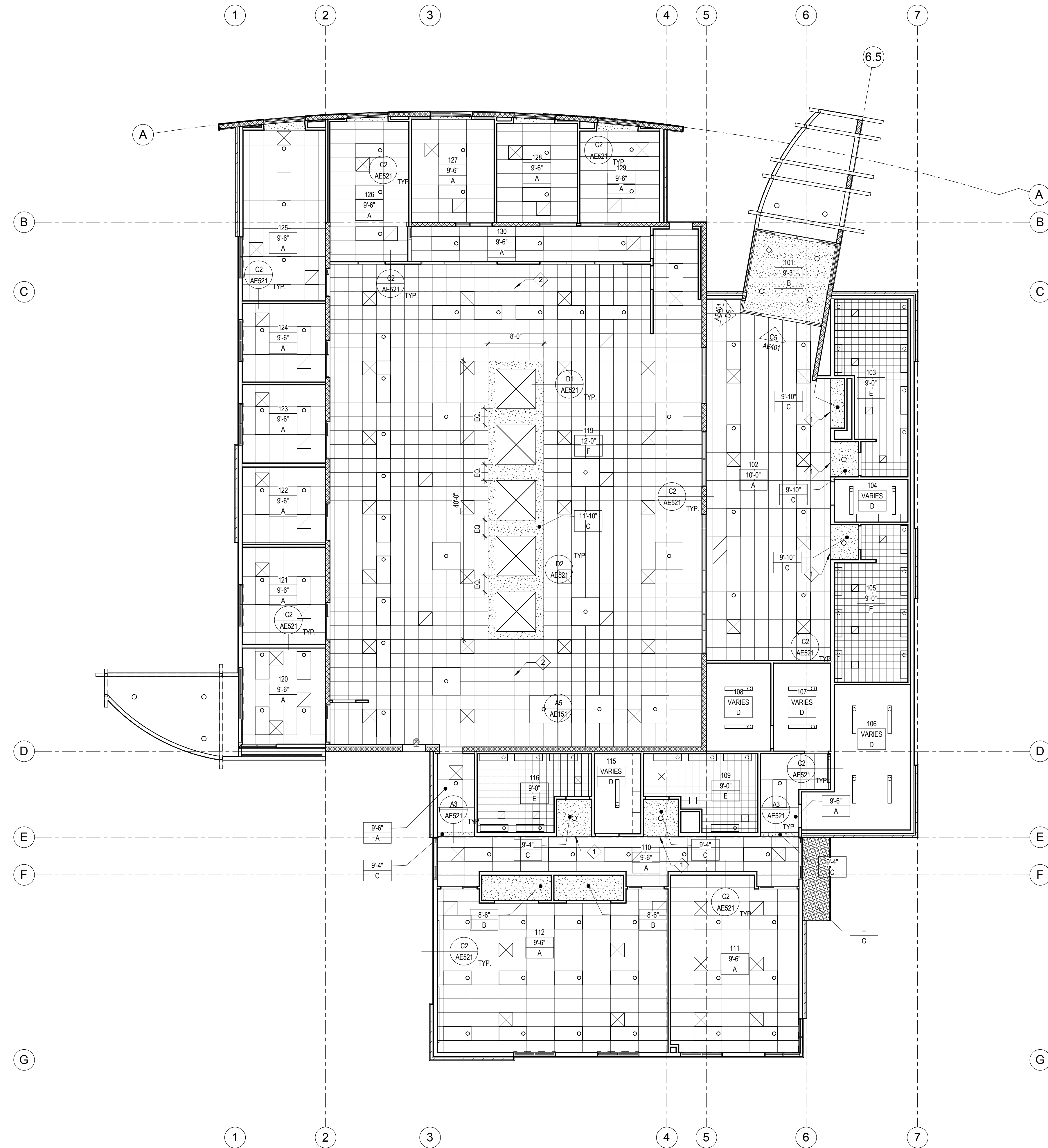
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FLOOR PLAN

AE101



AE151



REFLECTED CEILING PLAN
SCALE 1/8" = 1'-0"



KEY NOTES:

- 1 FRAMED GYP. BD. FACIA
- 2 SEISMIC SEPARATION JOINT; SEE B3/AE521

LEGEND:

- 2x4 RECESSED LIGHT FIXTURE;
SEE ELECTRICAL DRWGS.
- 2x4 RECESSED LIGHT FIXTURE;
SEE ELECTRICAL DRWGS.
- RECESSED LIGHT FIXTURE;
SEE ELECTRICAL DRWGS.
- SUSPENDED LIGHT FIXTURE;
SEE ELECTRICAL DRWGS.

CEILING TYPES:

- A 2x4 ACOUSTICAL PANEL CEILING SYSTEM; SEE A1/AE521 AND B2/AE521
- B SUSP. GYP. BD. CEILING SYSTEM; SEE A2/AE521
- C FRAMED GYP. BD. SOFFIT AND FACIA
- D EXPOSED STRUCTURE; PAINT
- E 12x12 ACOUSTICAL TILE ASHERED TO SUSP. GYP. BD. CEILING SYSTEM;
SEE A2/AE521
- F 2x2 ACOUSTICAL PANEL CEILING SYSTEM; SEE A1/AE521 AND B2/AE521
- G METAL SOFFIT PANEL SYSTEM

CONSTRUCTION DOCUMENTS

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REFLECTED
CEILING PLAN

AE161

GENERAL NOTES:

1. ALL MASONRY AND PRE-CAST CONCRETE TO RECEIVE WATER REPELLENT.
2. ALL BRICK VENEER TO HAVE RAKE JOINTS.
3. ALL CMU TO HAVE TOOLED JOINTS.

KEY NOTES:

- 1 BRICK VENEER
- 2 METAL WALL PANEL SYSTEM
- 3 SHEET METAL FLASHING
- 4 ALUMINUM STOREFRONT SYSTEM
- 5 SCHEDULED DOOR AND FRAME
- 6 DECORATIVE CONCRETE MASONRY UNITS
- 7 8" HIGH DECORATIVE CMU
- 8 STEEL BEAM, APPLY HIGH PERFORMANCE COATING
- 9 STEEL COLUMN, APPLY HIGH PERFORMANCE COATING
- 10 4" HIGH DECORATIVE CMU
- 11 16" HIGH AND 12" HIGH DIMENSIONAL LETTER SIGN, SEE SPECIFICATIONS
- 12 METAL WALL PANEL JOINT, SEE B3/AE541
- 13 ROOF DRAIN DOWN SPOUT @ 2'-0" AFF; SEE PLUMBING DRAWINGS

GLAZING SCHEDULE

G1	1/4" CLEAR - TEMPERED
G2	1/4" CLEAR
G3	1" INSULATED - TEMPERED
G4	1" INSULATED
G5	1" INSULATED SPANDREL GLASS - TEMPERED

CONSTRUCTION DOCUMENTS

DLD - OGDEN

SOUTH OGDEN, UTAH

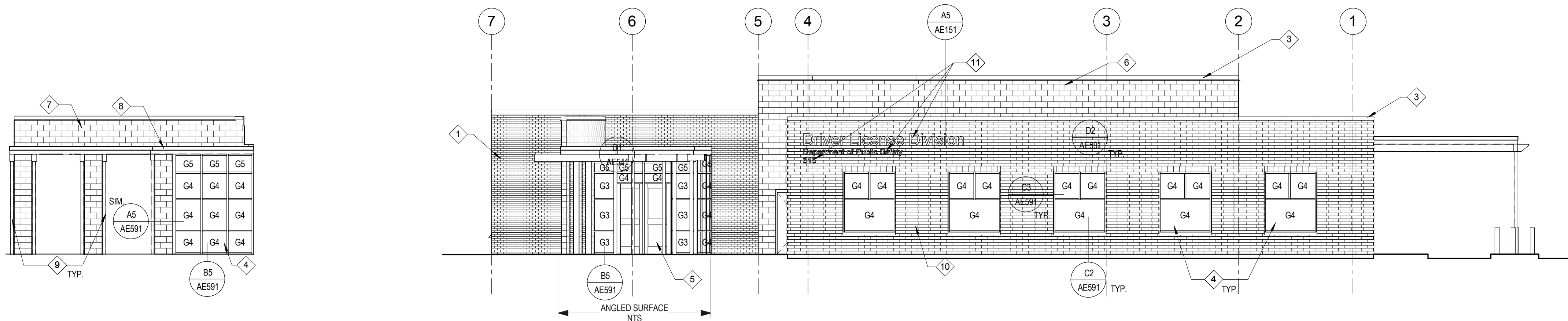


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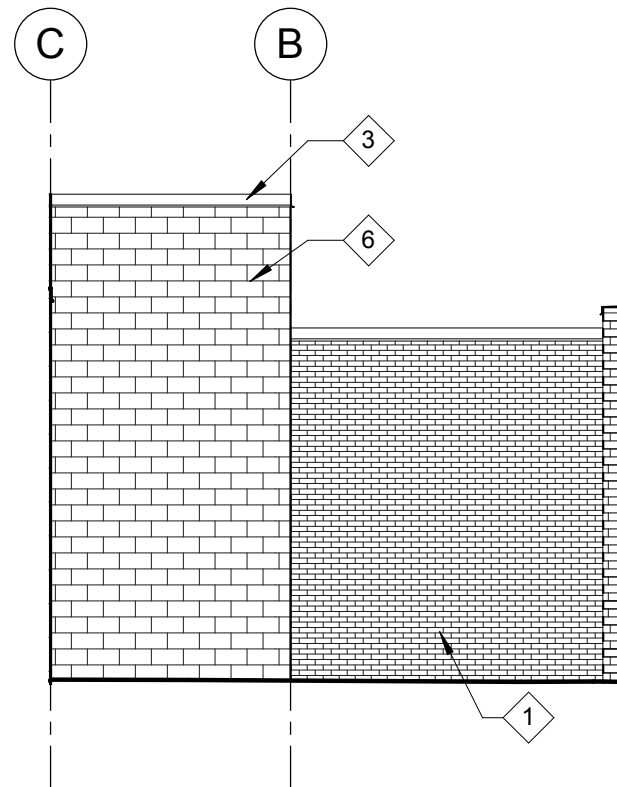
EXTERIOR
ELEVATIONS

AE201

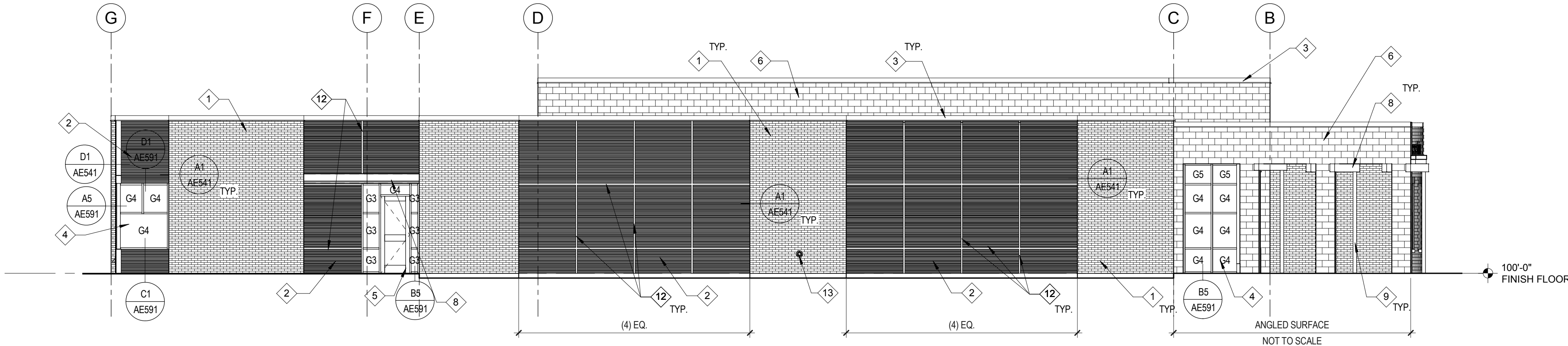


B5
AE201
PARTIAL ELEVATION
SCALE 1/8" = 1'-0"

B4
AE201
NORTH ELEVATION
SCALE 1/8" = 1'-0"



A5
AE201
PARTIAL ELEVATION
SCALE 1/8" = 1'-0"



A4
AE201
EAST ELEVATION
SCALE 1/8" = 1'-0"

GENERAL NOTES:

1. ALL MASONRY AND PRE-CAST CONCRETE TO RECEIVE WATER REPELLENT.
2. ALL BRICK VENEER TO HAVE RAKE JOINTS.
3. ALL CMU TO HAVE TOOLED JOINTS.

KEY NOTES:

- 1 BRICK VENEER
- 2 METAL WALL PANEL SYSTEM
- 3 SHEET METAL FLASHING
- 4 ALUMINUM STOREFRONT SYSTEM
- 5 SCHEDULED DOOR AND FRAME
- 6 DECORATIVE CONCRETE MASONRY UNITS
- 7 4" HIGH DECORATIVE CMU
- 8 STEEL BEAM, APPLY HIGH PERFORMANCE COATING
- 9 STEEL COLUMN, APPLY HIGH PERFORMANCE COATING
- 10 8" HIGH DECORATIVE CMU
- 11 METAL WALL PANEL JOINT, SEE B3/AE541
- 12 ROOF DRAIN DOWN SPOUT @ 2'-0" AFF; SEE PLUMBING DRAWINGS

GLAZING SCHEDULE

G1	1/4" CLEAR - TEMPERED
G2	1/4" CLEAR
G3	1" INSULATED - TEMPERED
G4	1" INSULATED
G5	1" INSULATED SPANDREL GLASS - TEMPERED

CONSTRUCTION DOCUMENTS

DLD - OGDEN

SOUTH OGDEN, UTAH

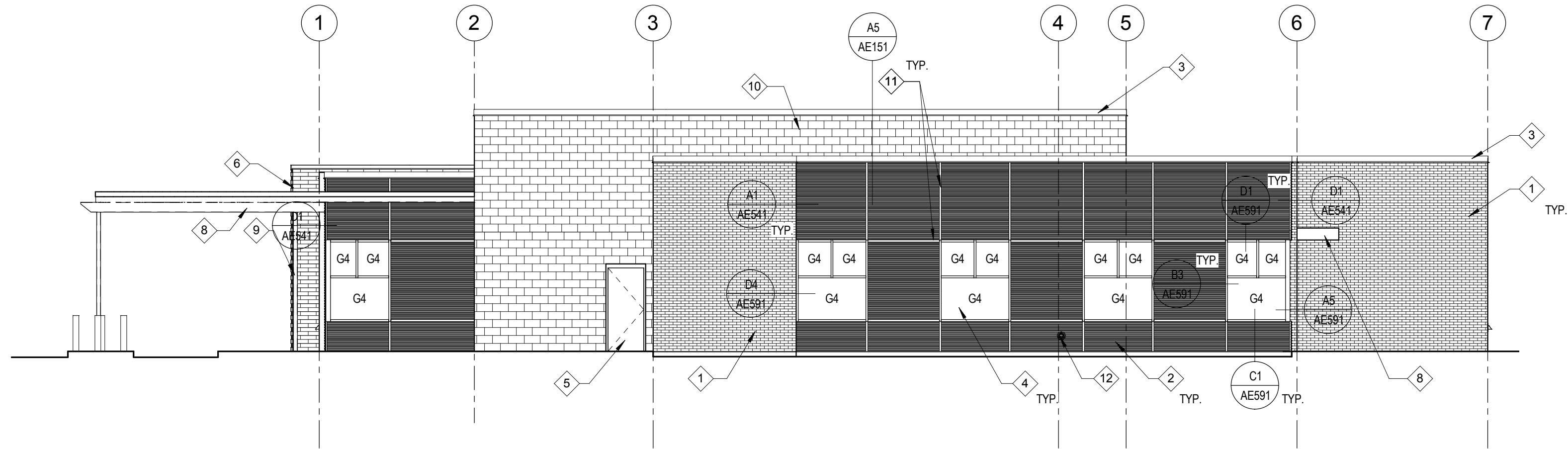


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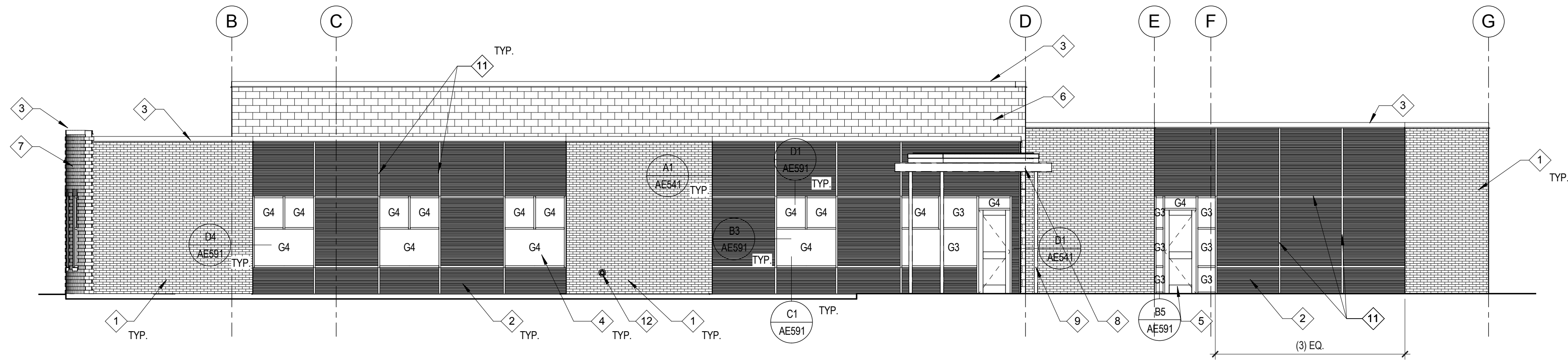
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EXTERIOR
ELEVATIONS

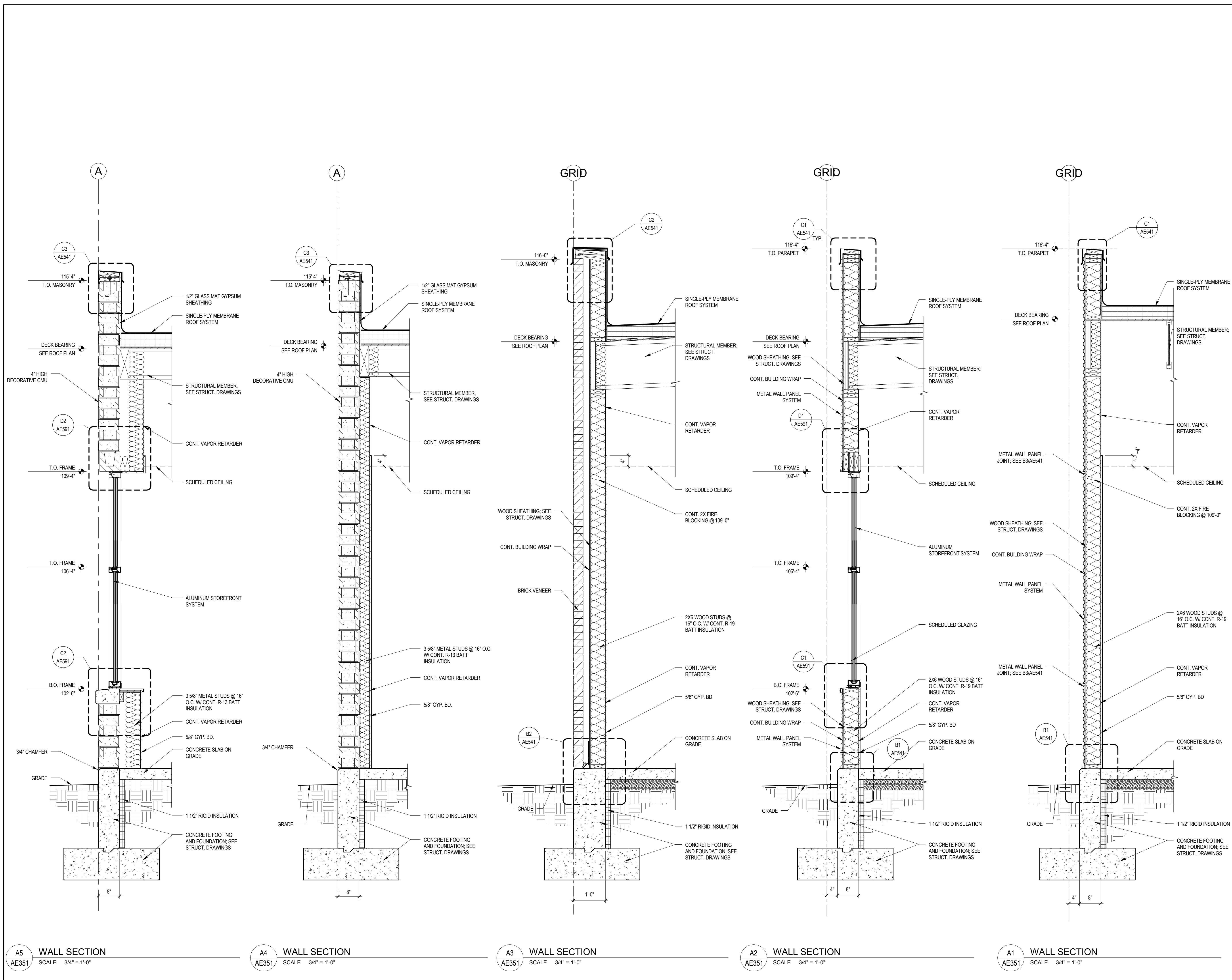
AE202



B4 SOUTH ELEVATION
AE202 SCALE 1/8" = 1'-0"



A4 WEST ELEVATION
AE202 SCALE 1/8" = 1'-0"



- GENERAL NOTES:
- ALL EXTERIOR STEEL INDICATED TO BE PAINTED SHALL BE PAINTED WITH HIGH PERFORMANCE COATING.
 - ALL EXTERIOR MASONRY AND PRE-CAST CONCRETE SURFACES TO RECEIVE WATER REPELLENT.

CONSTRUCTION DOCUMENTS

DLD - OGDEN

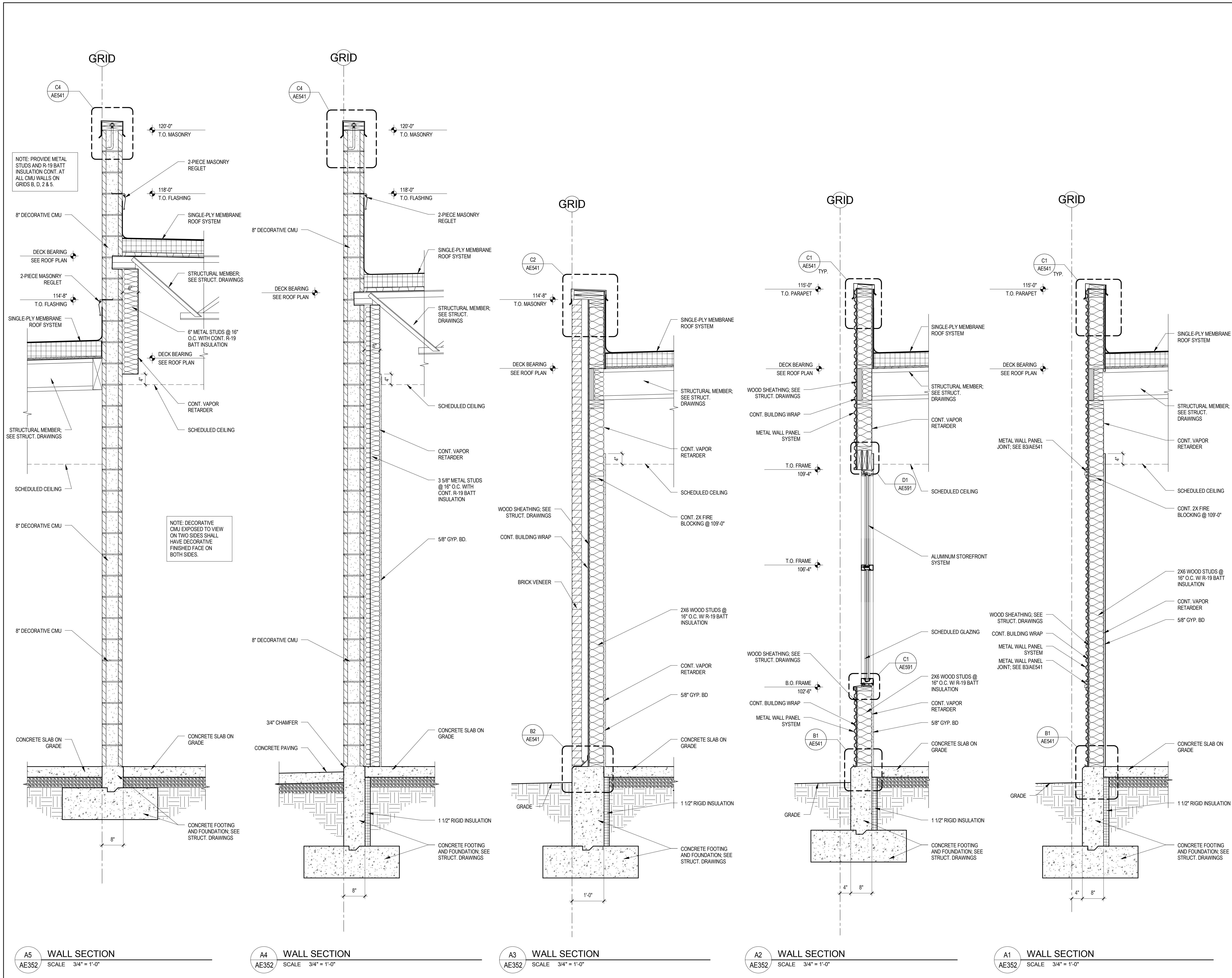
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WALL SECTIONS

AE351



- GENERAL NOTES:**
- ALL EXTERIOR STEEL INDICATED TO BE PAINTED SHALL BE PAINTED WITH HIGH PERFORMANCE COATING.
 - ALL EXTERIOR MASONRY AND PRE-CAST CONCRETE SURFACES TO RECEIVE WATER REPELLENT.

CONSTRUCTION DOCUMENTS

DLD - OGDEN

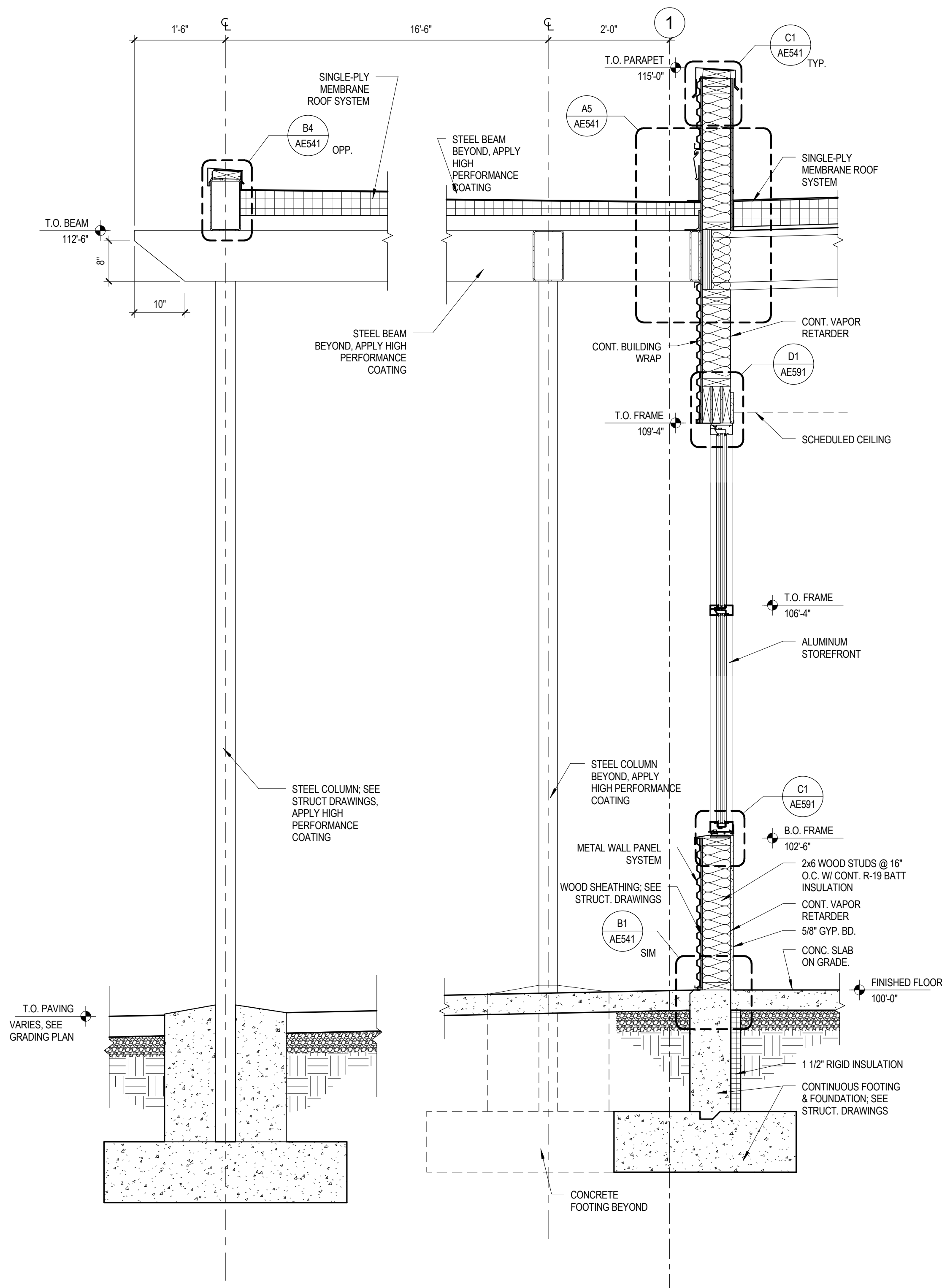
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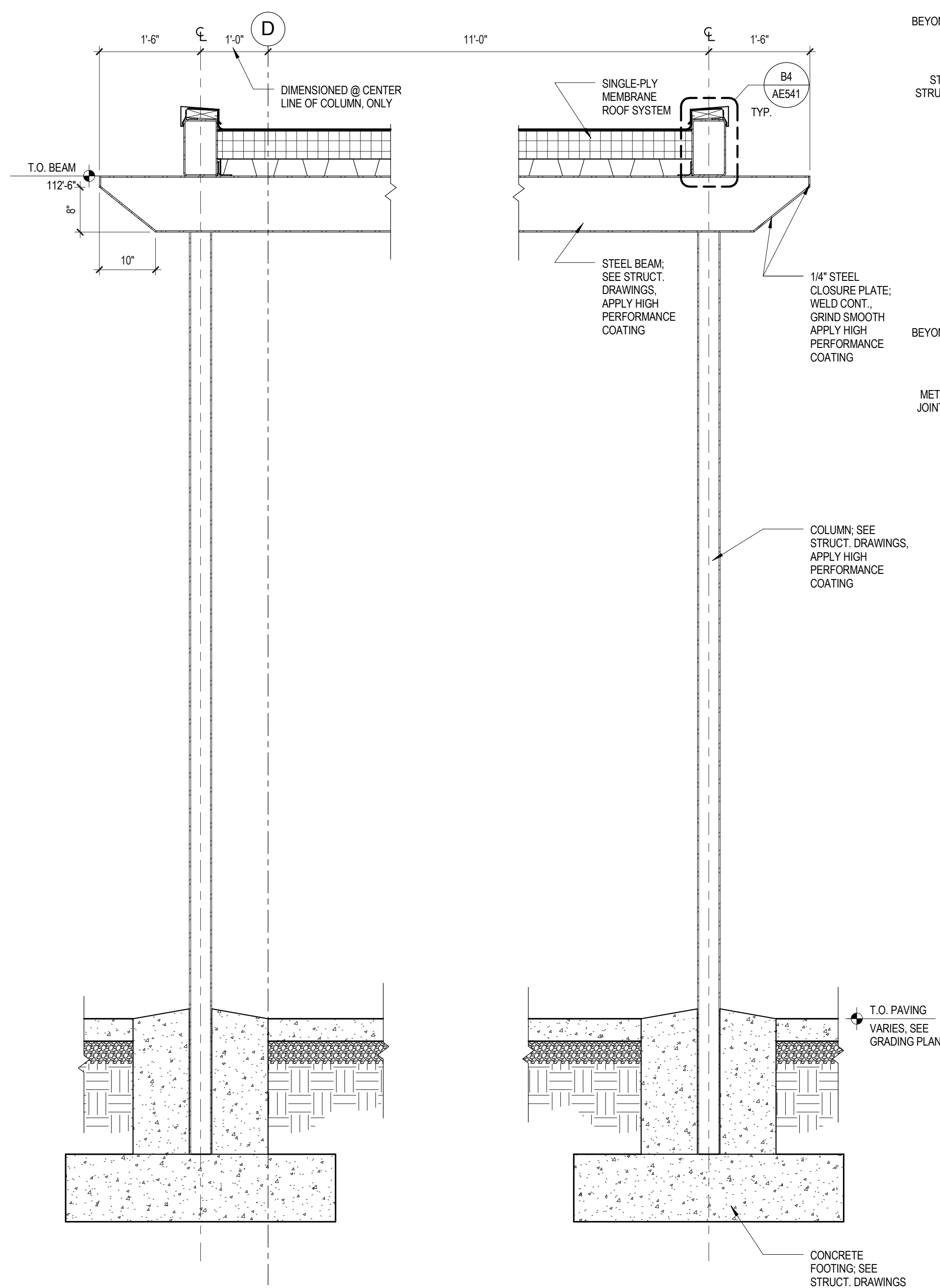
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WALL SECTIONS

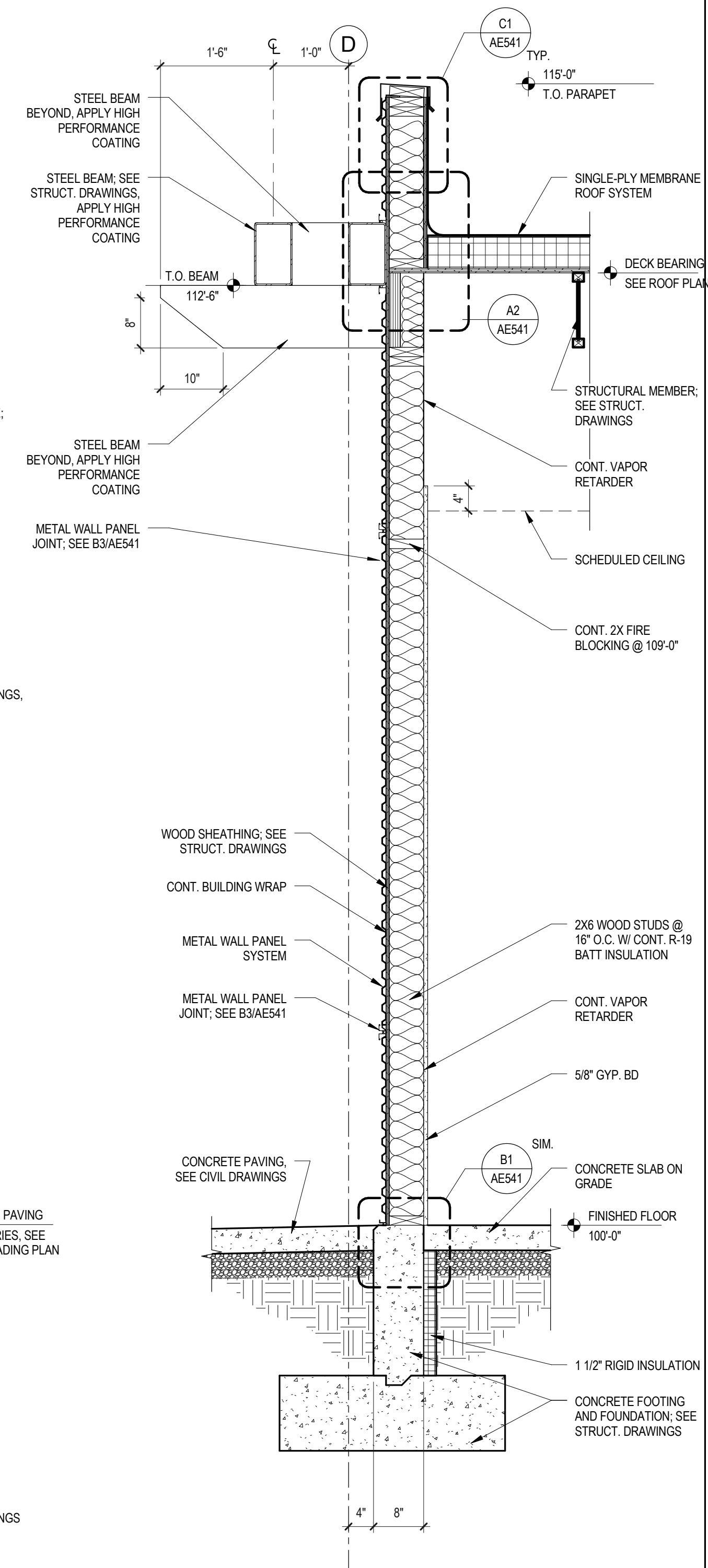
AE352



A5 CANOPY SECTION
SCALE 3/4" = 1'-0"



A3 CANOPY SECTION
SCALE 3/4" = 1'-0"



A1 CANOPY SECTION
SCALE 3/4" = 1'-0"

GENERAL NOTES:

1. ALL EXTERIOR STEEL INDICATED TO BE PAINTED SHALL BE PAINTED WITH HIGH PERFORMANCE COATING.
2. ALL EXTERIOR MASONRY AND PRE-CAST CONCRETE SURFACES TO RECEIVE WATER REPELLENT.

CONSTRUCTION DOCUMENTS

DLD - OGDEN

SOUTH OGDEN, UTAH

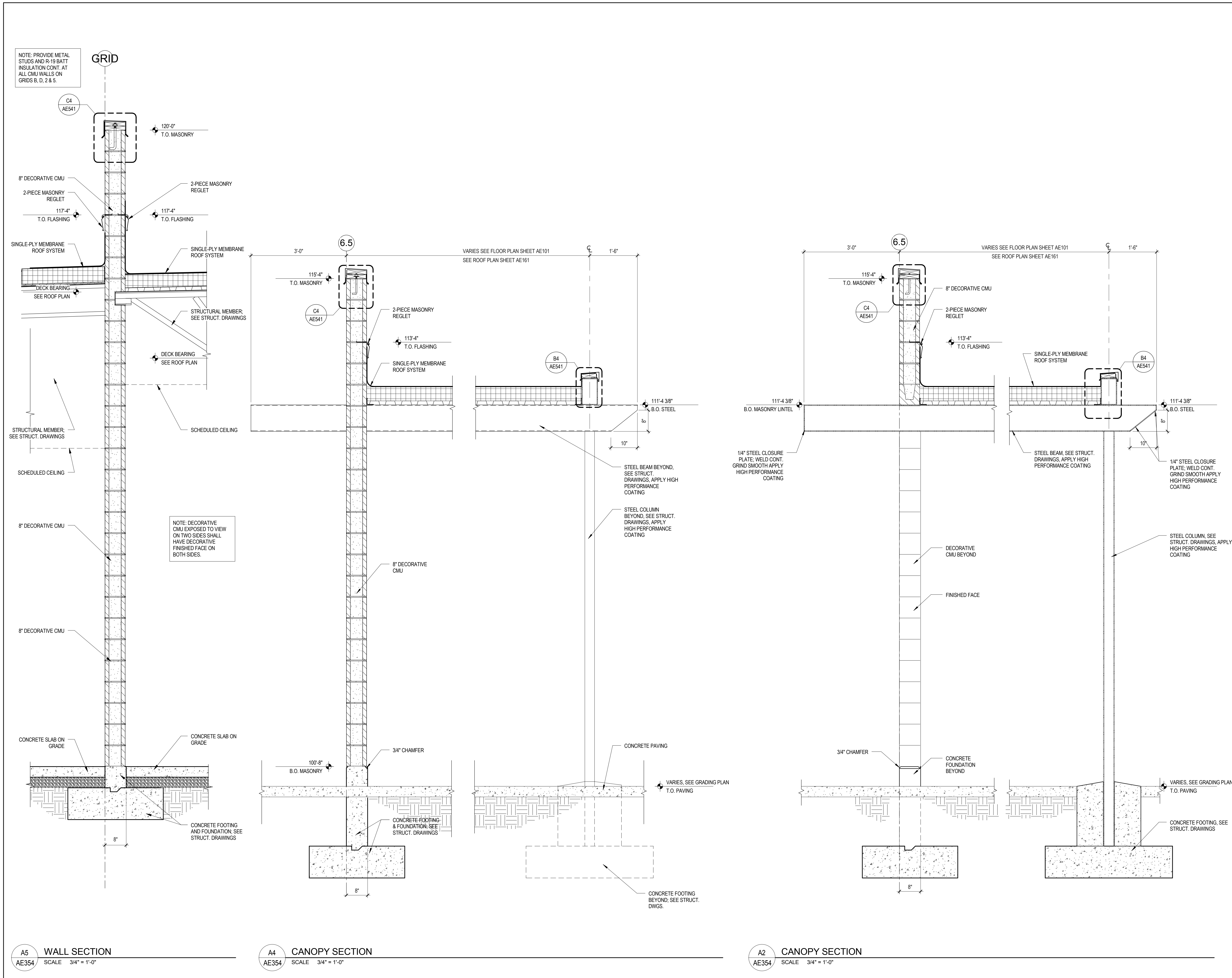


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WALL SECTIONS

AE353



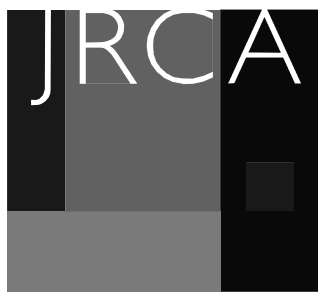
GENERAL NOTES:

1. ALL EXTERIOR STEEL INDICATED TO BE PAINTED SHALL BE PAINTED WITH HIGH PERFORMANCE COATING.
2. ALL EXTERIOR MASONRY AND PRE-CAST CONCRETE SURFACES TO RECEIVE WATER REPELLENT.

CONSTRUCTION DOCUMENTS

DLD - OGDEN

SOUTH OGDEN, UTAH

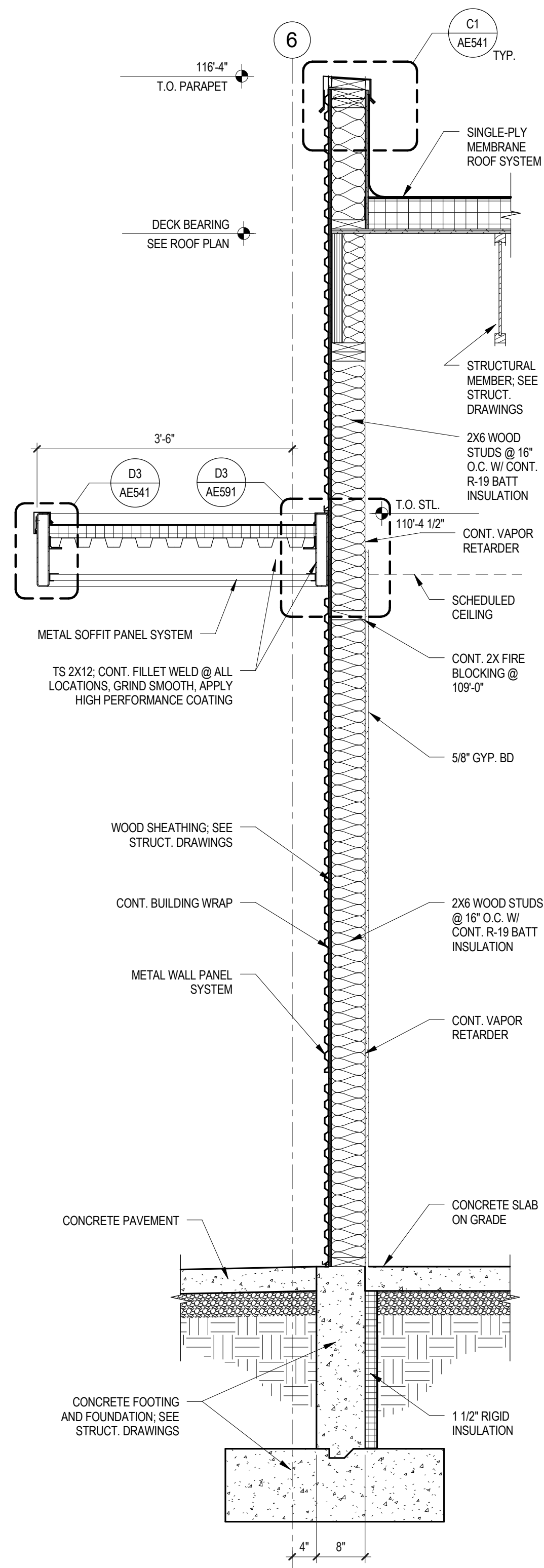


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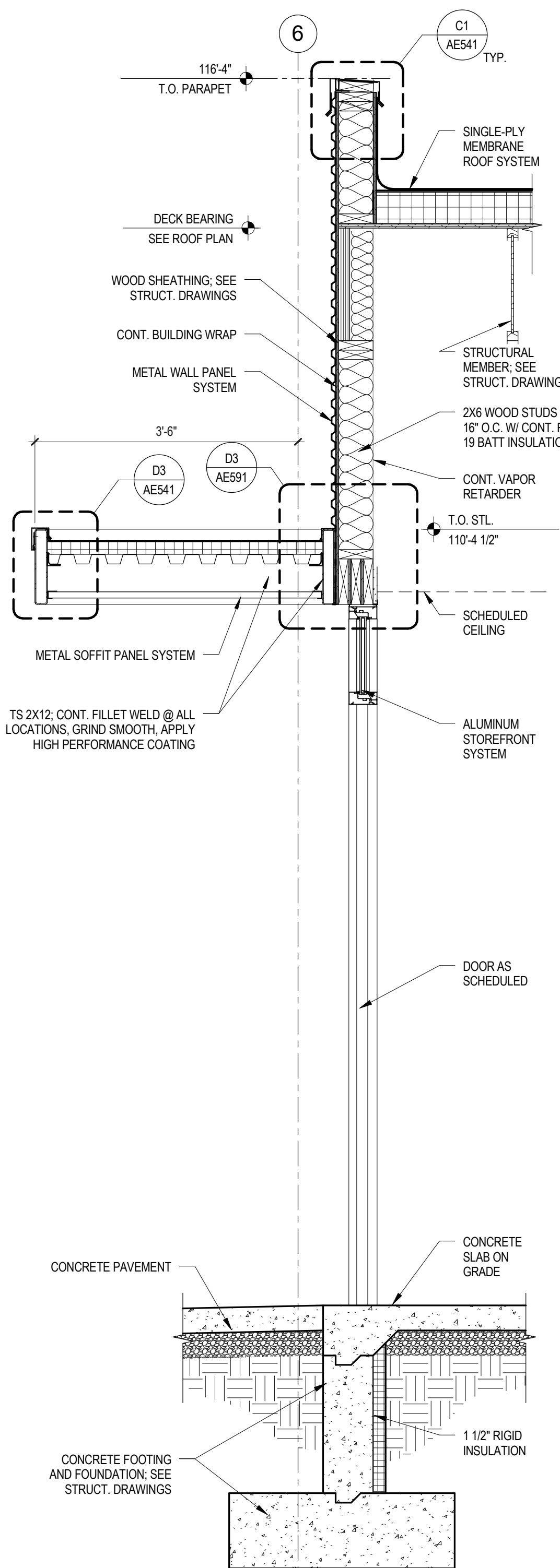
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WALL SECTIONS

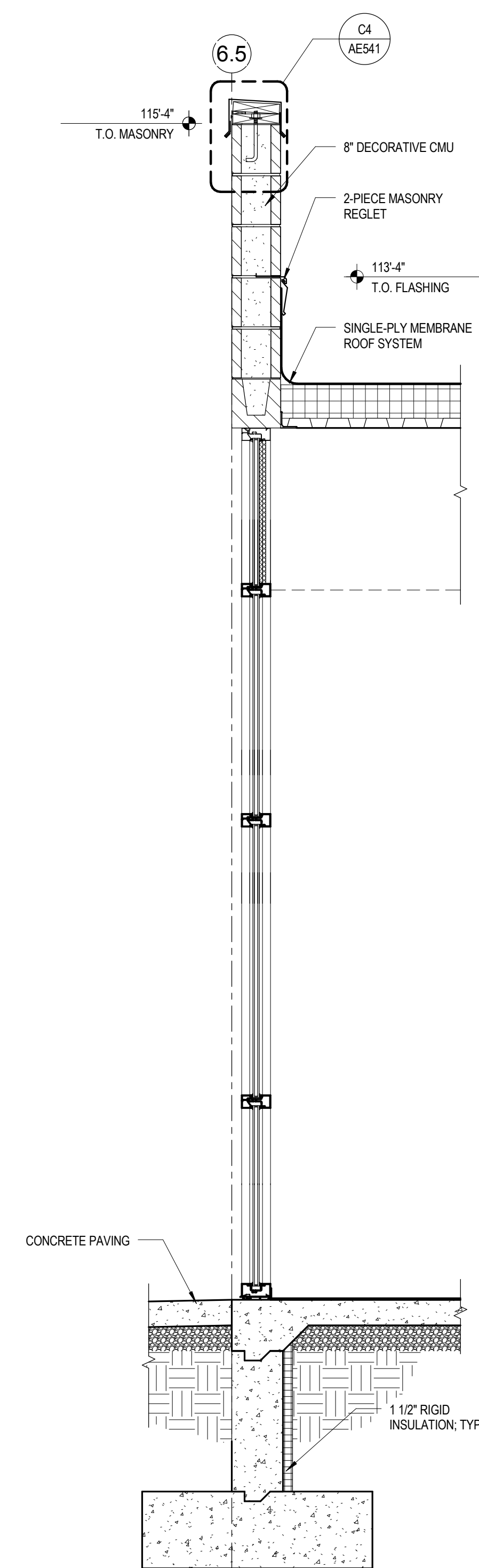
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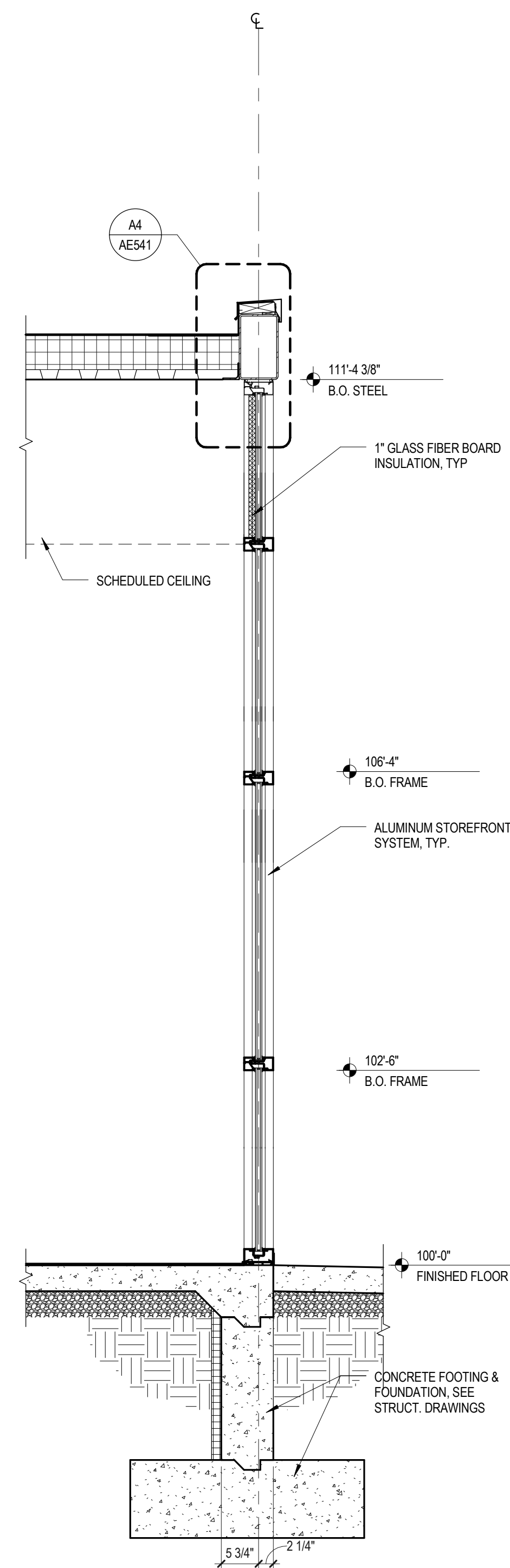
A5 WALL SECTION
SCALE 3/4" = 1'-0"



A4 WALL SECTION
SCALE 3/4" = 1'-0"



A3 CANOPY SECTION
SCALE 3/4" = 1'-0"



GENERAL NOTES:

1. ALL EXTERIOR STEEL INDICATED TO BE PAINTED SHALL BE PAINTED WITH HIGH PERFORMANCE COATING.
2. ALL EXTERIOR MASONRY AND PRE-CAST CONCRETE SURFACES TO RECEIVE WATER REPELLENT.

CONSTRUCTION DOCUMENTS

DLD - OGDEN

SOUTH OGDEN, UTAH



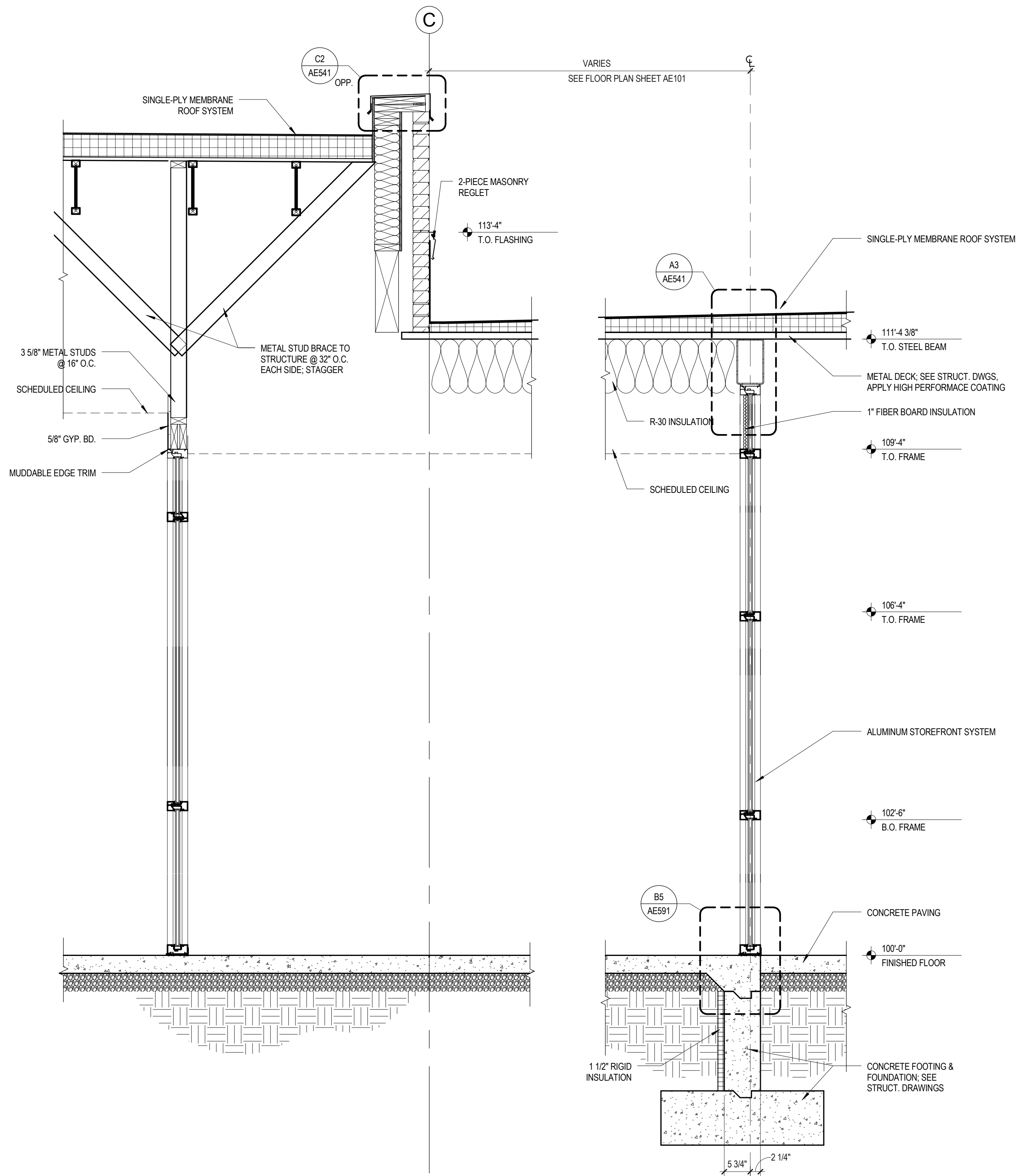
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WALL SECTIONS

AE355



A3
AE356

WALL SECTION
SCALE 3/4" = 1'-0"

GENERAL NOTES:

1. ALL EXTERIOR STEEL INDICATED TO BE PAINTED SHALL BE PAINTED WITH HIGH PERFORMANCE COATING.
2. ALL EXTERIOR MASONRY AND PRE-CAST CONCRETE SURFACES TO RECEIVE WATER REPELLENT.

CONSTRUCTION DOCUMENTS

DLD - OGDEN

SOUTH OGDEN, UTAH



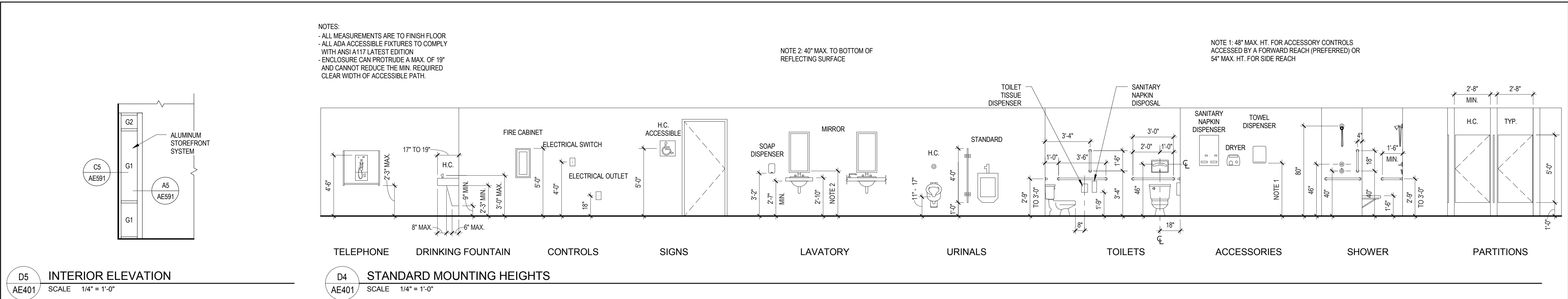
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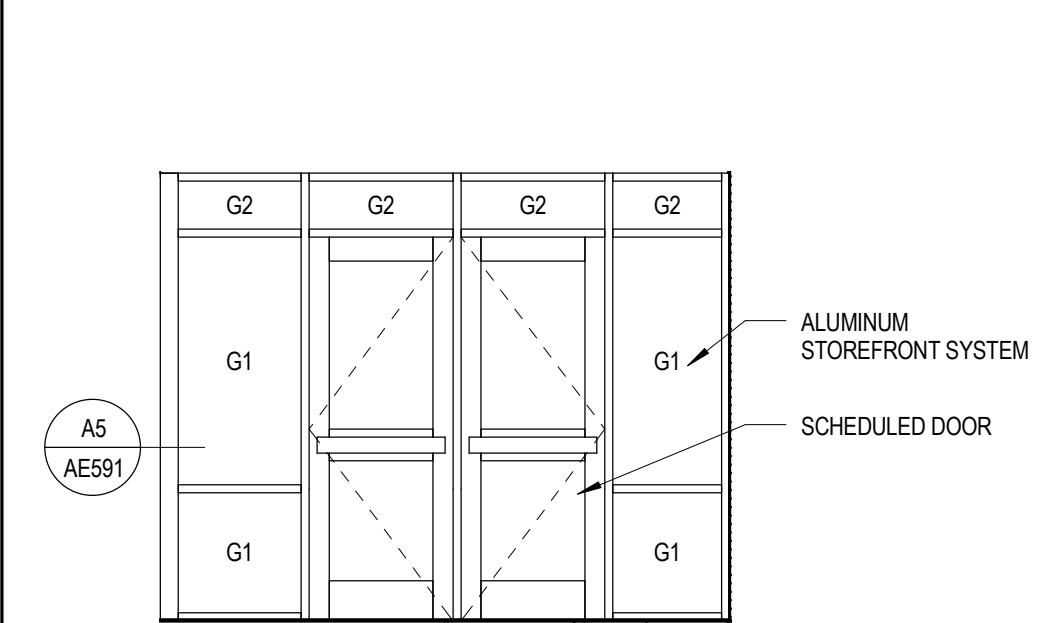
WALL SECTIONS

AE356

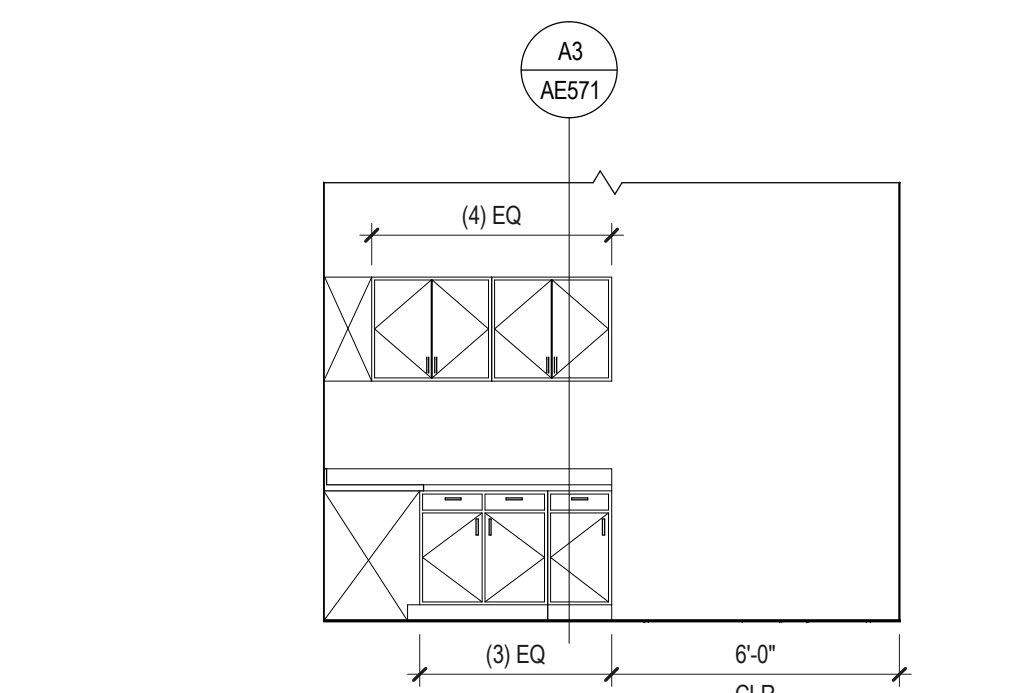


D5 INTERIOR ELEVATION
SCALE 1/4" = 1'-0"

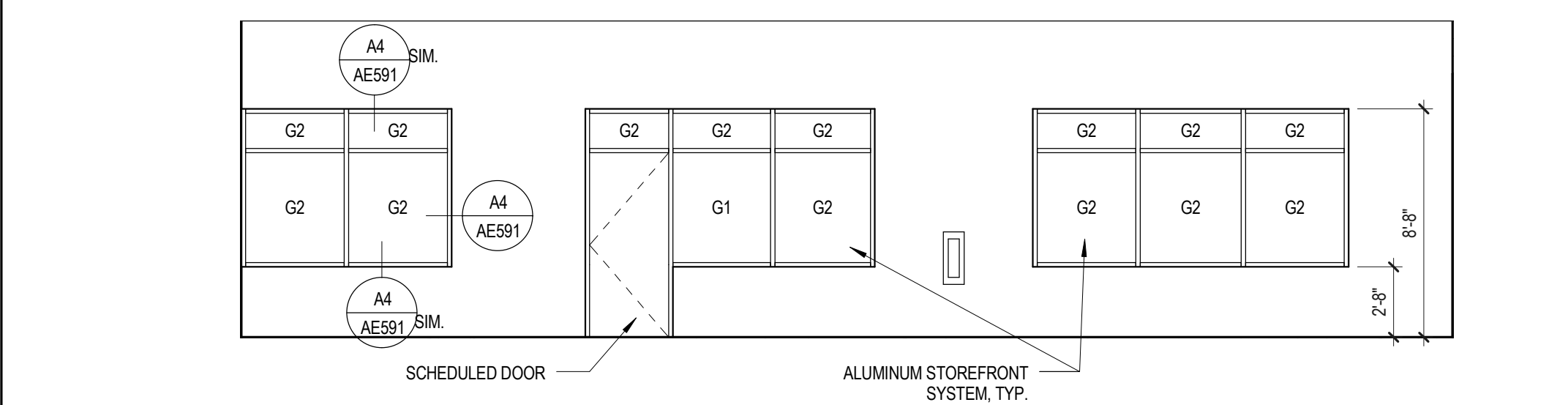
D4 STANDARD MOUNTING HEIGHTS
SCALE 1/4" = 1'-0"



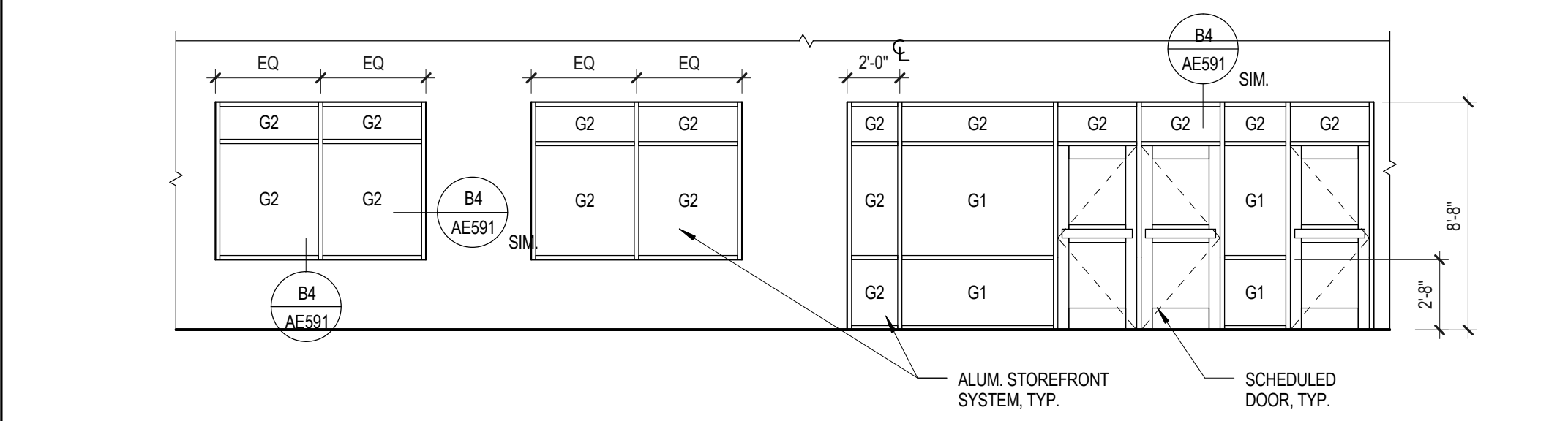
C5 INTERIOR ELEVATION
SCALE 1/4" = 1'-0"



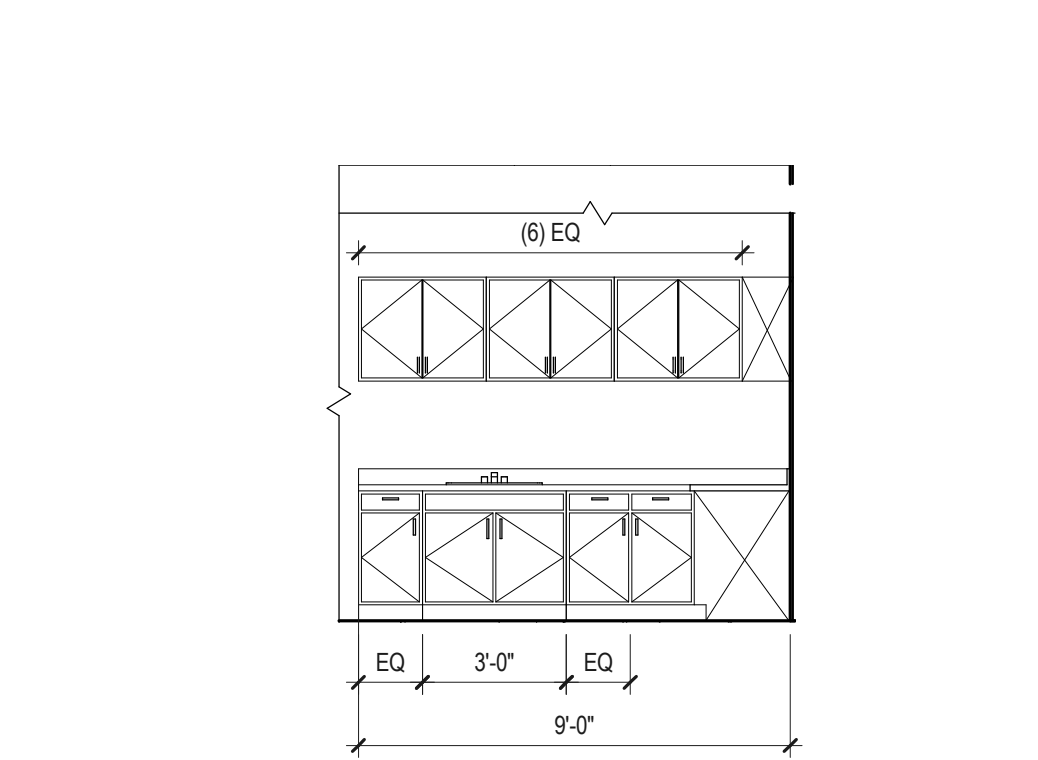
C4 BREAKROOM NORTH ELEVATION
SCALE 1/4" = 1'-0"



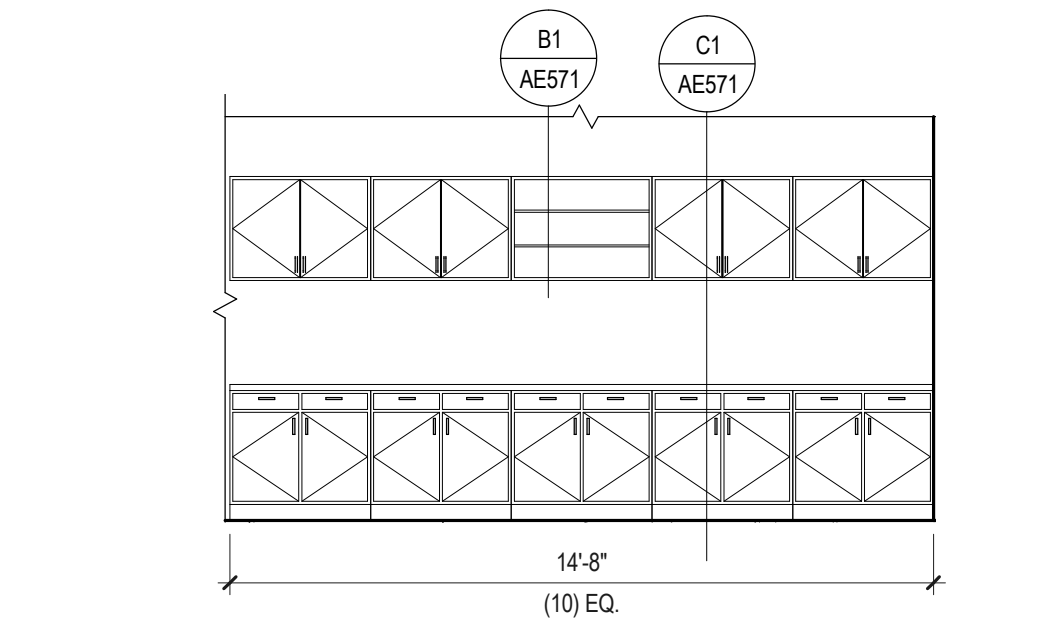
B5 NORTH WALL ELEVATION
SCALE 3/16" = 1'-0"



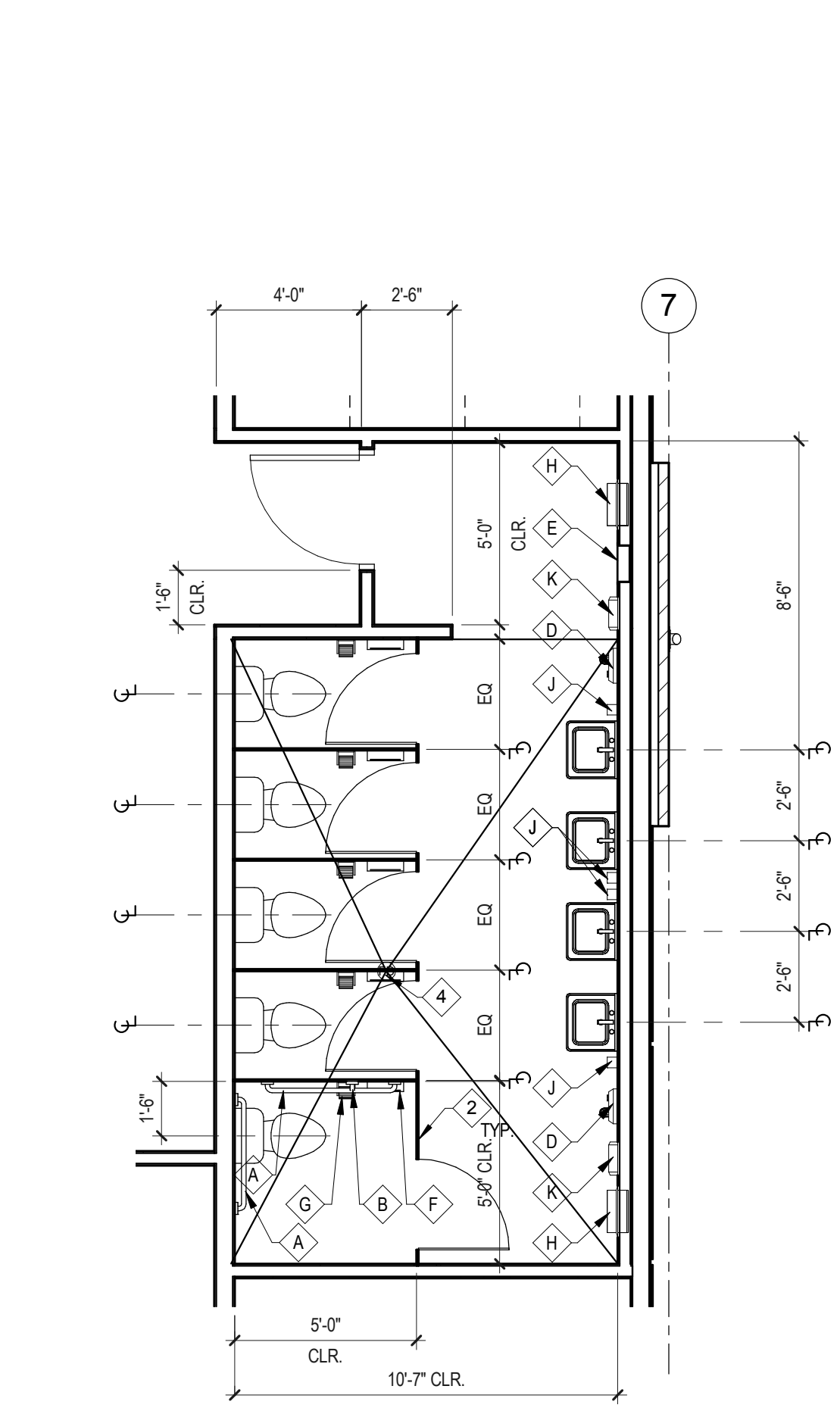
A5 EAST WALL ELEVATION
SCALE 3/16" = 1'-0"



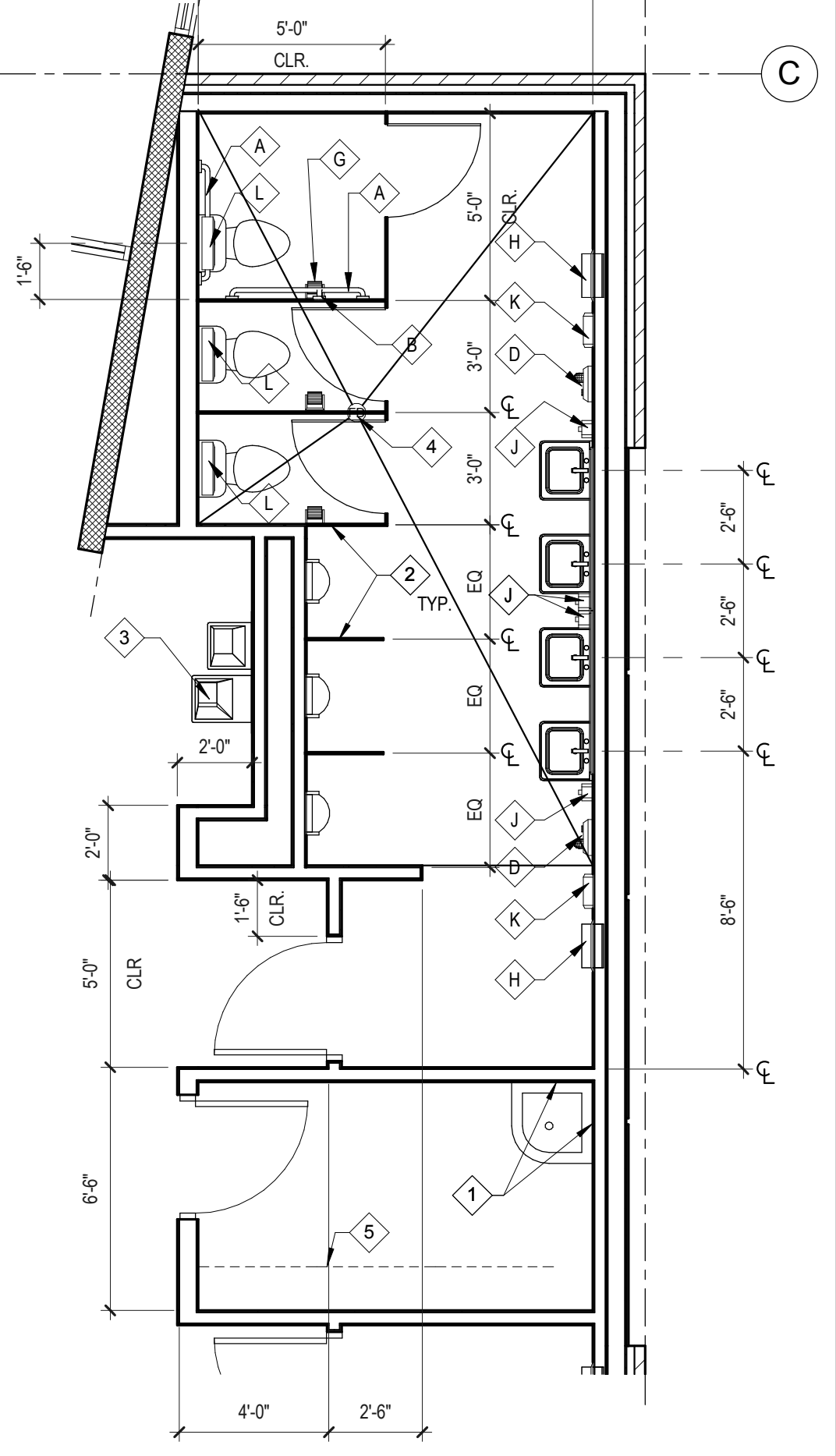
C3 BREAKROOM WEST ELEVATION
SCALE 1/4" = 1'-0"



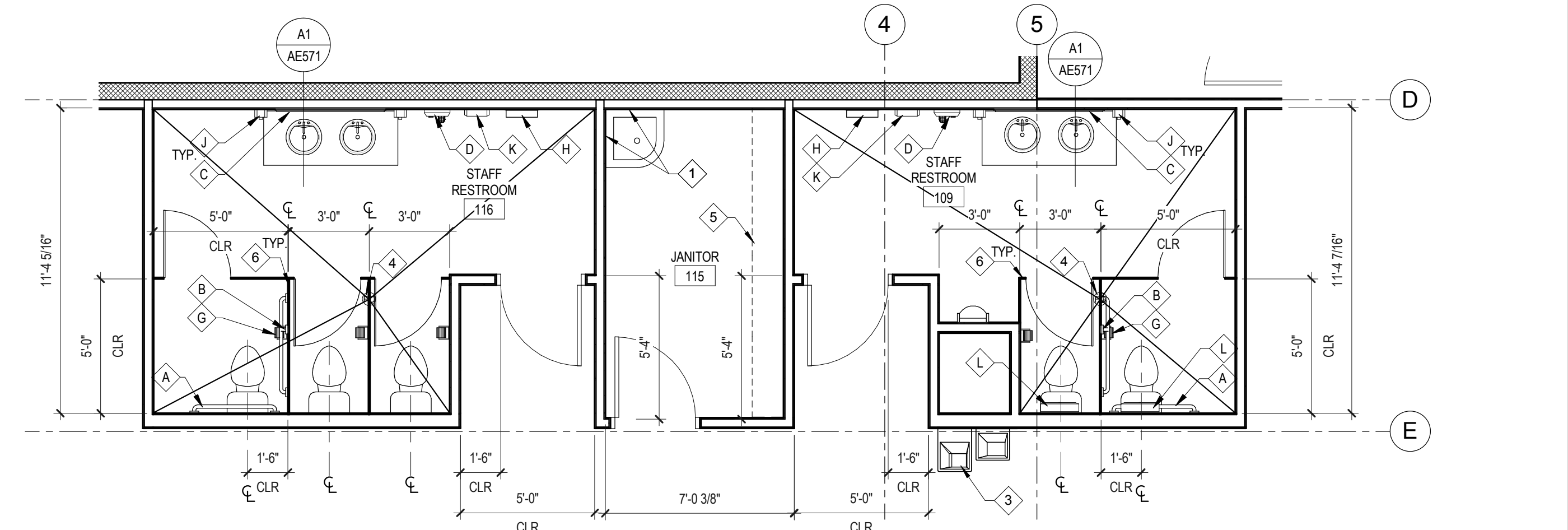
B3 COPY ROOM 125 - MILLWORK ELEVATION
SCALE 1/4" = 1'-0"



B2 ENLARGED WOMEN'S RESTROOM PLAN
SCALE 1/4" = 1'-0"



B1 ENLARGED MEN'S RESTROOM PLAN
SCALE 1/4" = 1'-0"



A3 ENLARGED RESTROOMS PLAN
SCALE 1/4" = 1'-0"

GENERAL NOTES:

1

GLAZING SCHEDULE	
G1	1/4" CLEAR - TEMPERED
G2	1/4" CLEAR
G3	1" INSULATED - TEMPERED
G4	1" INSULATED
G5	1" INSULATED SPANDREL GLASS - TEMPERED

KEY NOTES:

- 3'-0" X 3'-0" WALL TILE @ (2) WALLS ADJACENT TO JANITOR SINK
- SOLID-POLYMER TOILET COMPARTMENTS AND SCREENS
- DRINKING FOUNTAIN; SEE PLUMBING DRAWINGS
- FLOOR DRAIN; SEE PLUMBING DRAWINGS
- MILLWORK SEE C2/AE571
- STEEL TOILET COMPARTMENTS

TOILET ACCESSORIES:

Letter	Description
A	36" AND 42" GRAB BARS
B	18" VERTICAL GRAB BAR
C	MIRROR
D	WARM AIR HAND DRYER
E	VENDING
F	SANITARY NAPKIN RECEPTACLE
G	TOILET TISSUE DISPENSER, N.I.C.; PROVIDE BLOCKING
H	WASTE RECEPTACLE
J	SOAP DISPENSER, N.I.C.; PROVIDE BLOCKING
K	TOWEL DISPENSER, N.I.C.; PROVIDE BLOCKING
L	TOILET SEAT COVER DISPENSER, N.I.C.; PROVIDE BLOCKING

CONSTRUCTION DOCUMENTS

DLD - OGDEN

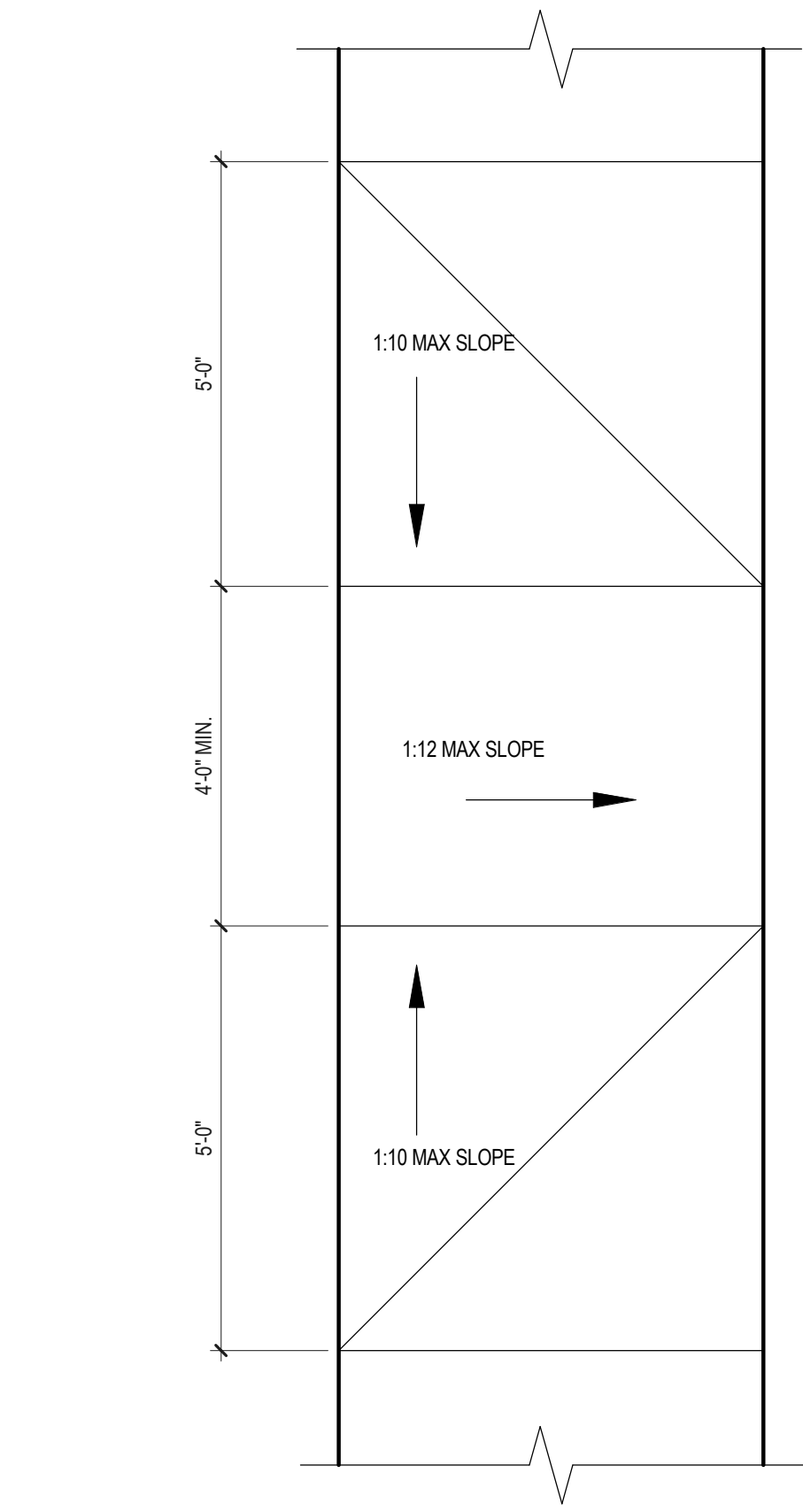
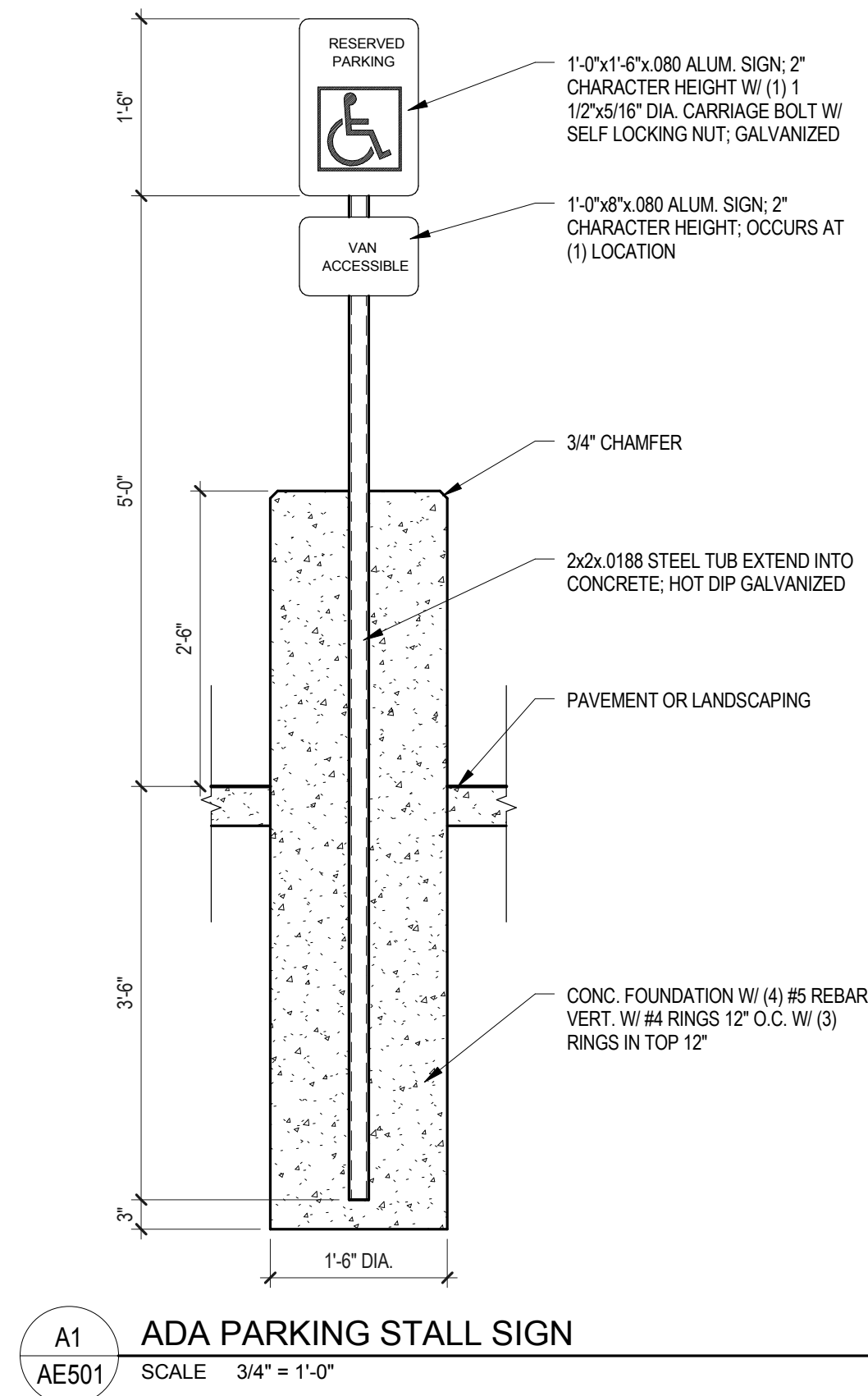
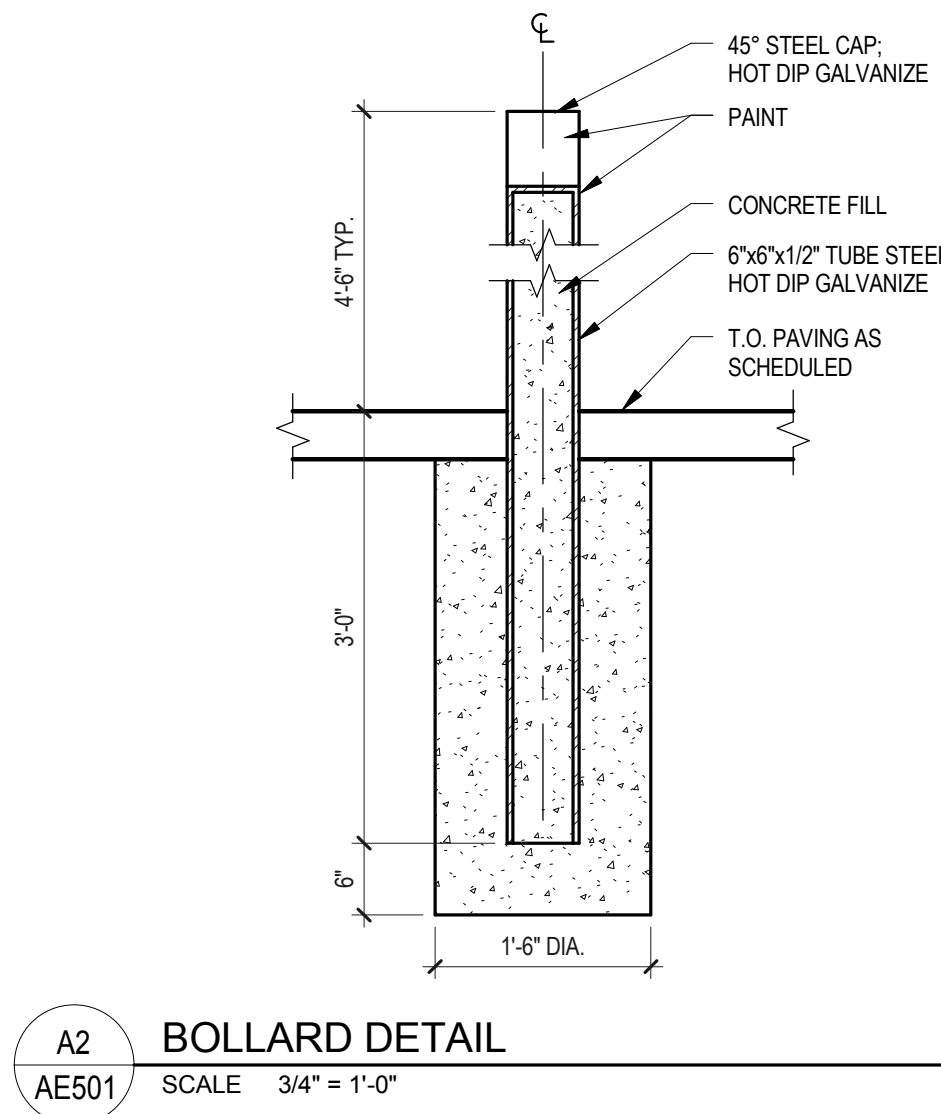
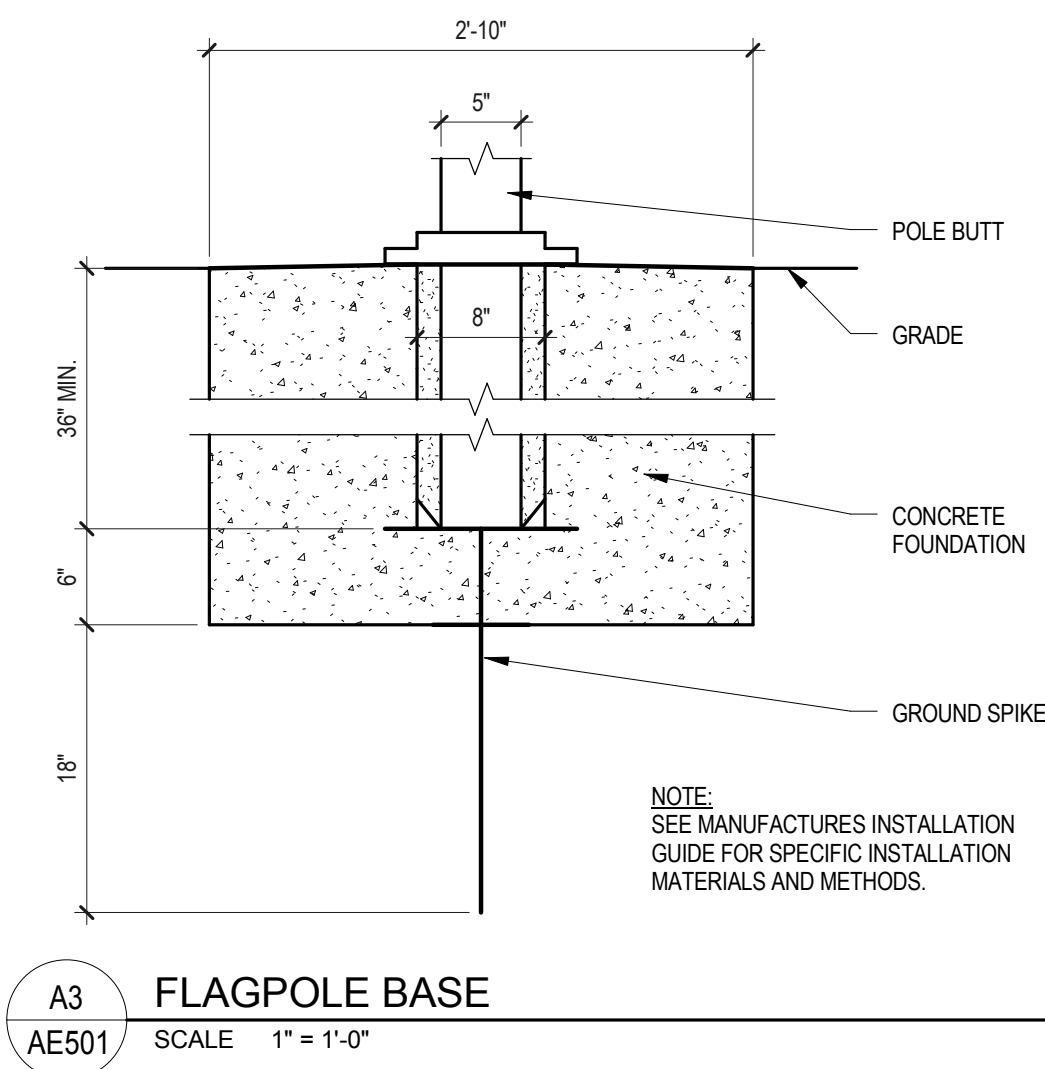
SOUTH OGDEN, UTAH

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ENLARGED FLOOR PLANS

AE401



KEY NOTES:

CONSTRUCTION DOCUMENTS

DLD - OGDEN

SOUTH OGDEN, UTAH



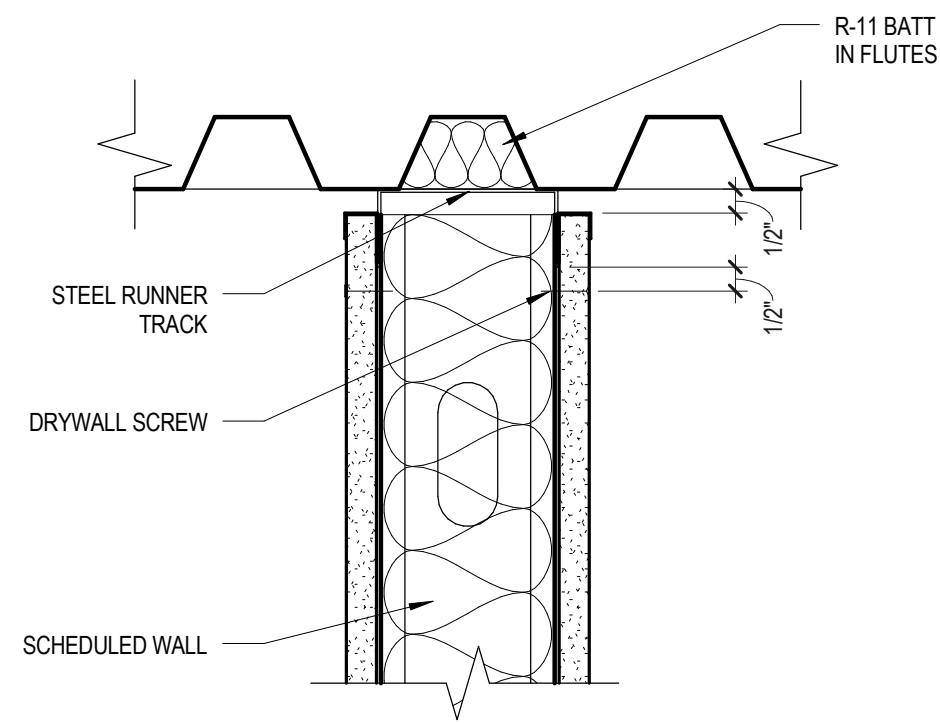
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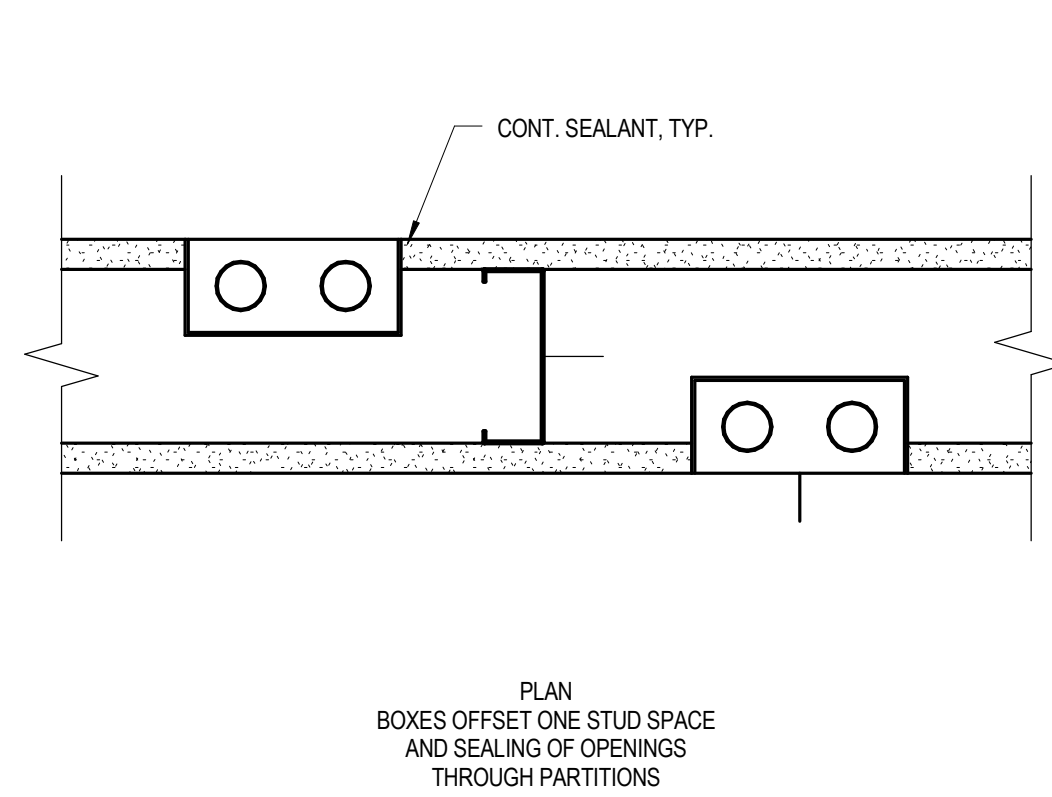
PROJECT #
10019

SITE DETAILS

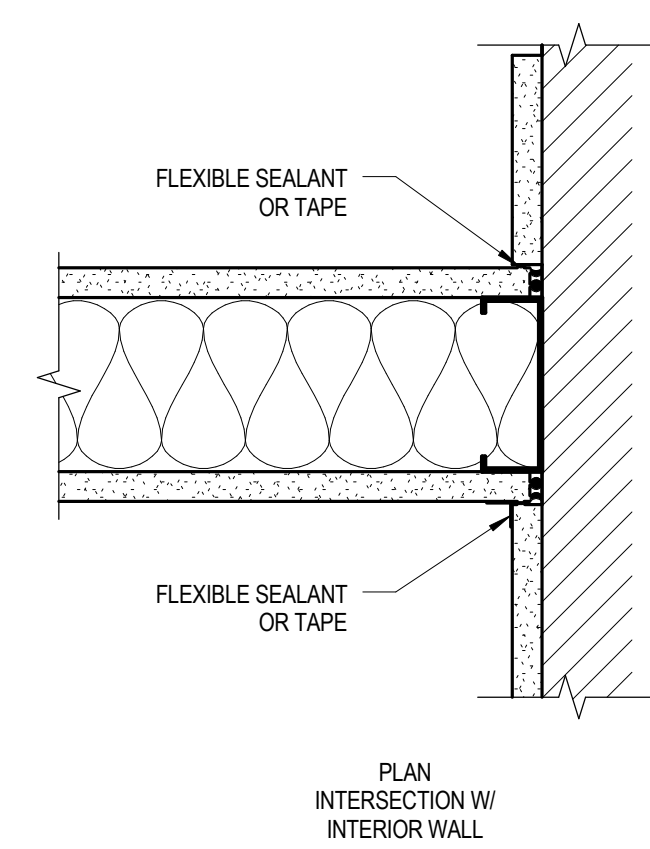
AE501



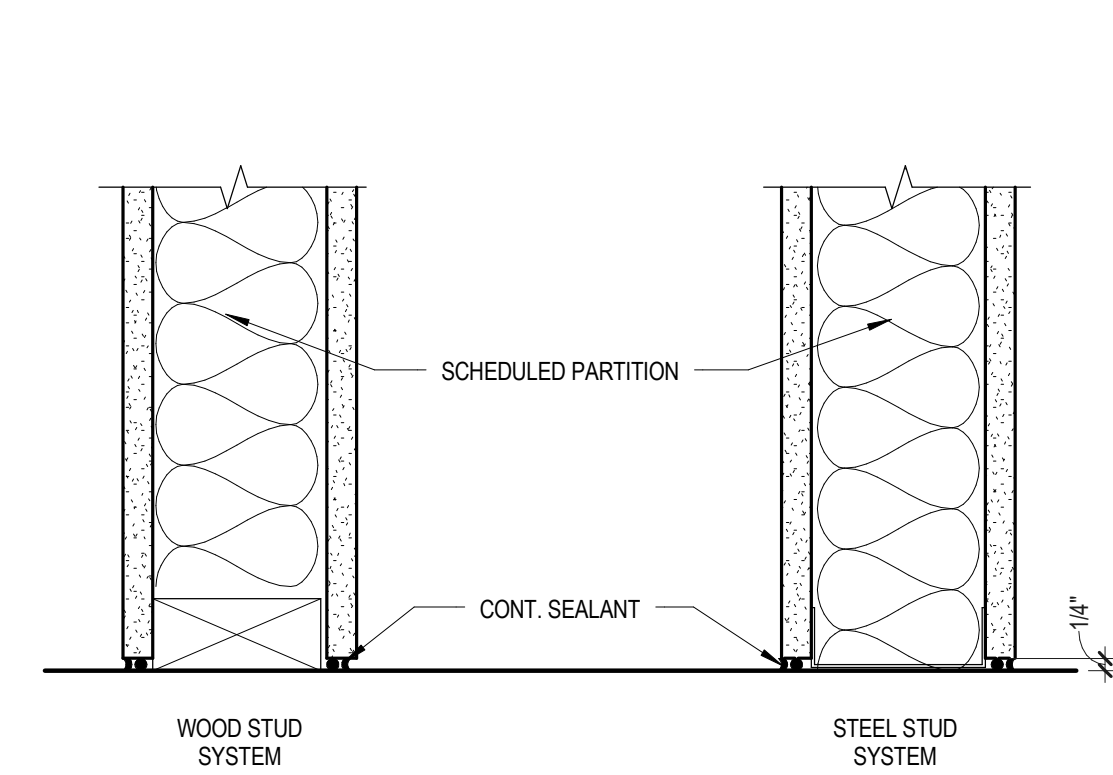
D4
AE511
SOUND WALL HEAD DETAIL
SCALE 3" = 1'-0"



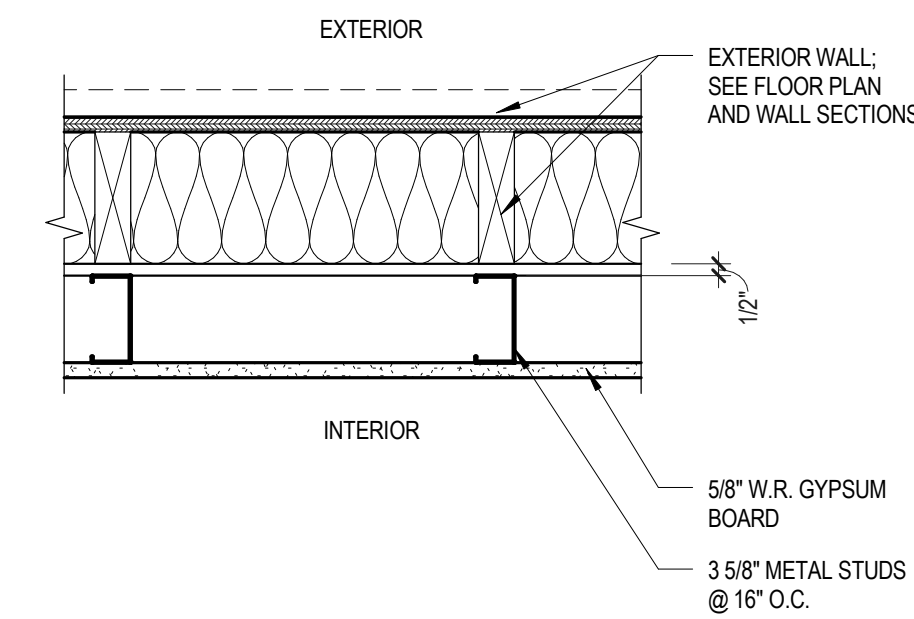
D3
AE511
SOUND WALL DETAIL - PENETRATIONS
SCALE 3" = 1'-0"



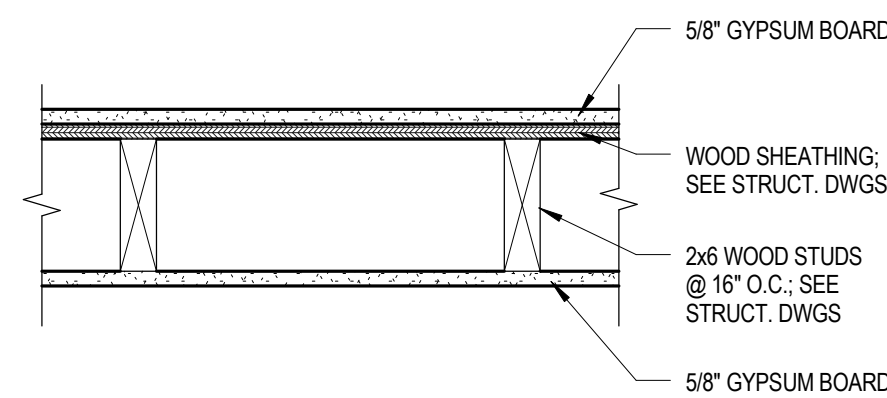
D2
AE511
SOUND WALL DETAIL - TO EXISTING
SCALE 3" = 1'-0"



D1
AE511
SOUND WALL DETAIL - FLOOR
SCALE 3" = 1'-0"

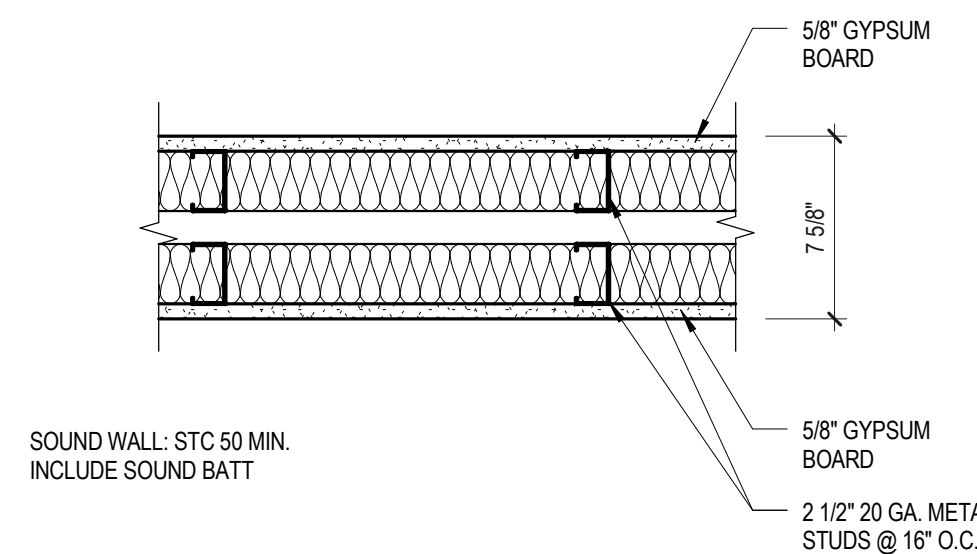


B1
AE511
WALL TYPE E
SCALE 1 1/2" = 1'-0"

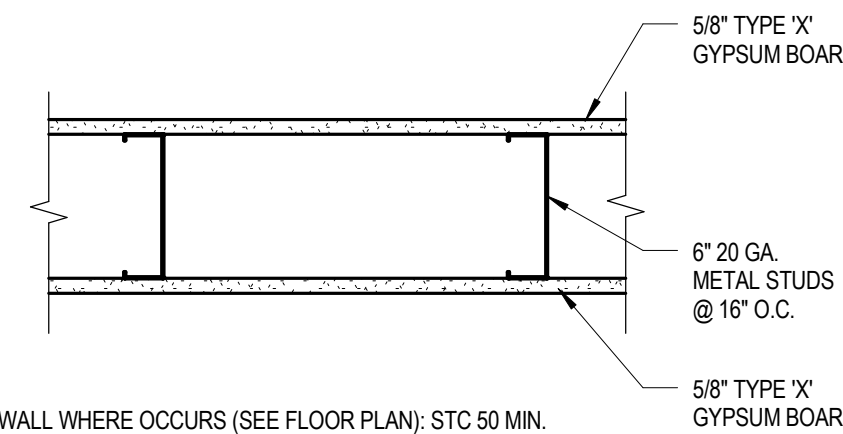


NOTE: PROVIDE AND INSTALL 5/8" WATER RESISTANT (W.R.) GYP. BD. IN LIEU OF GYP. BD. @ ALL RESTROOM LOCATIONS

A4
AE511
WALL TYPE D
SCALE 1 1/2" = 1'-0"

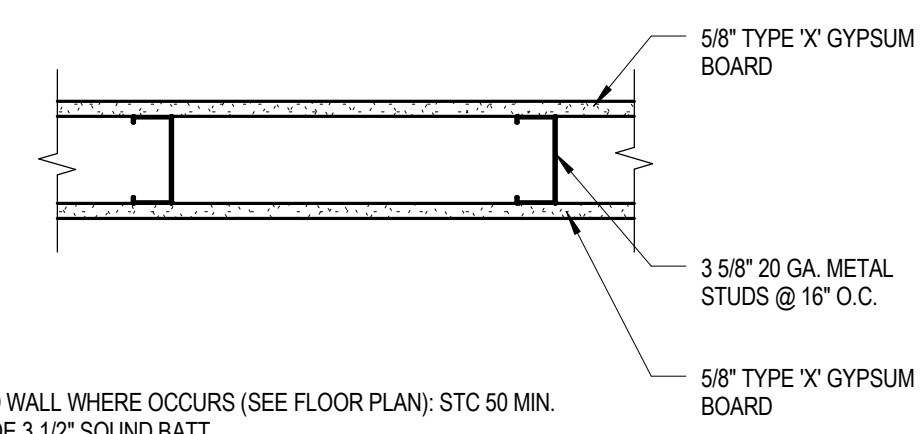


A3
AE511
WALL TYPE C
SCALE 1 1/2" = 1'-0"



NOTE: PROVIDE AND INSTALL 5/8" WATER RESISTANT (W.R.) GYP. BD. IN LIEU OF GYP. BD. @ ALL RESTROOM LOCATIONS

A2
AE511
WALL TYPE B
SCALE 1 1/2" = 1'-0"



NOTE: PROVIDE AND INSTALL 5/8" WATER RESISTANT (W.R.) GYP. BD. IN LIEU OF GYP. BD. @ ALL RESTROOM LOCATIONS

A1
AE511
WALL TYPE A
SCALE 1 1/2" = 1'-0"

CONSTRUCTION DOCUMENTS

DLD - OGDEN

SOUTH OGDEN, UTAH

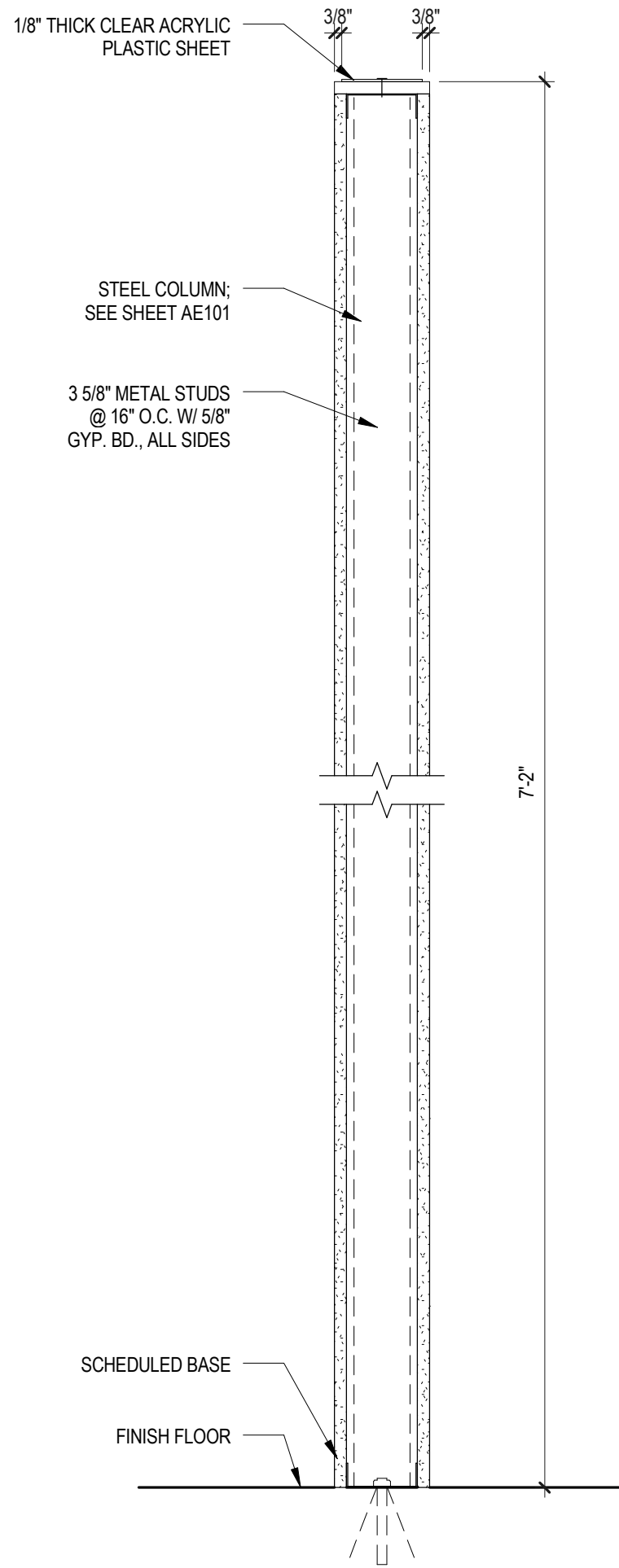


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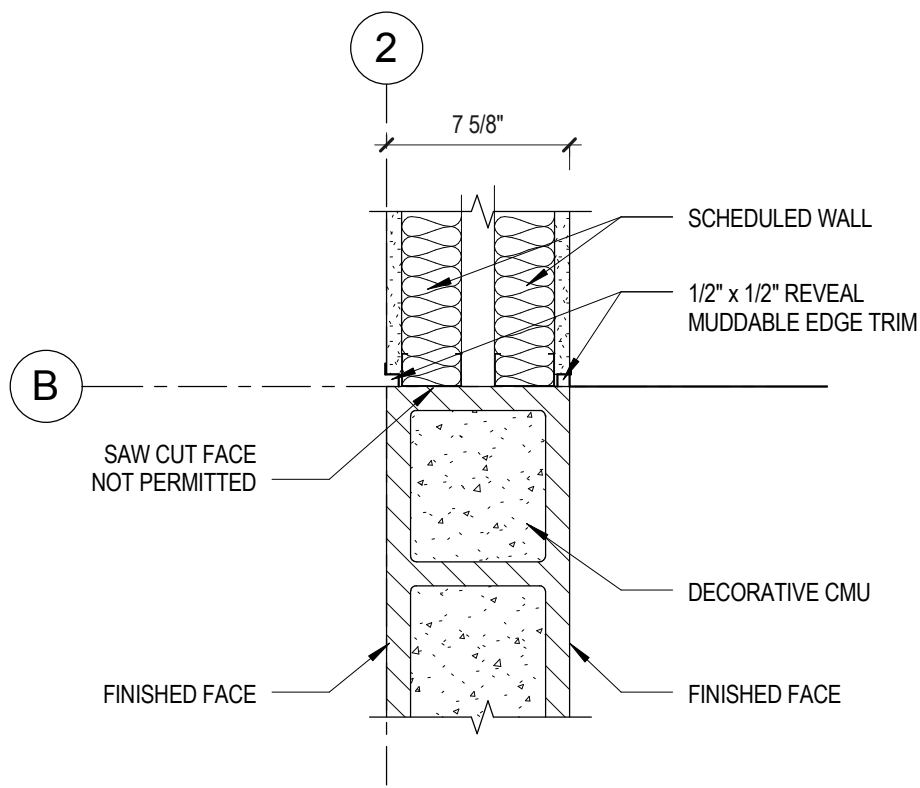
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WALL TYPES

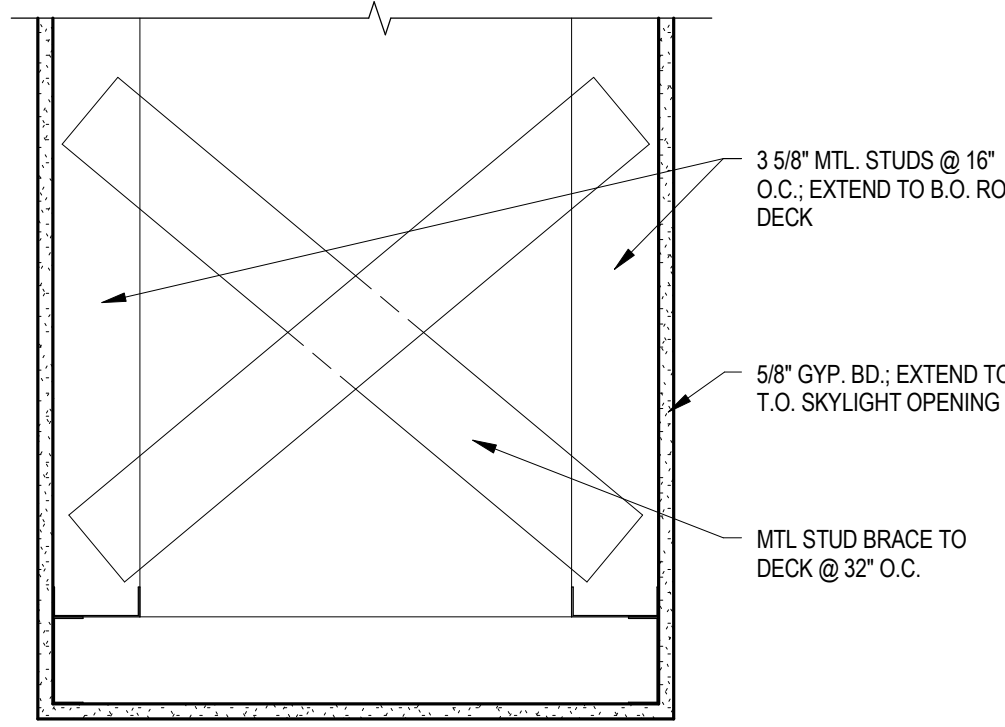
AE511



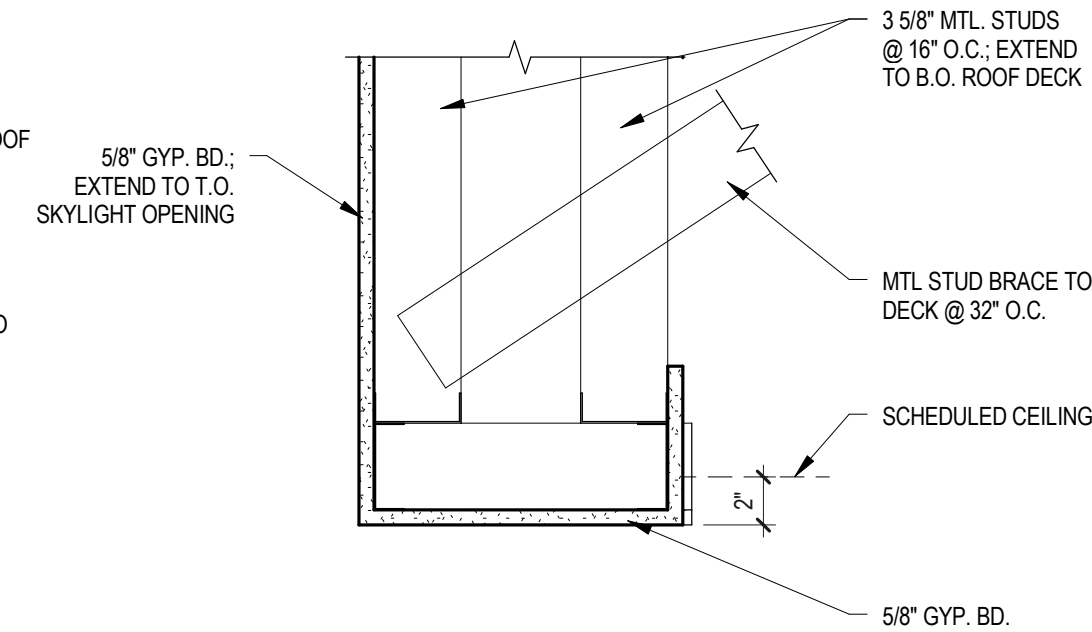
C4 HALF WALL DETAIL
AE521 SCALE 1 1/2" = 1'-0"



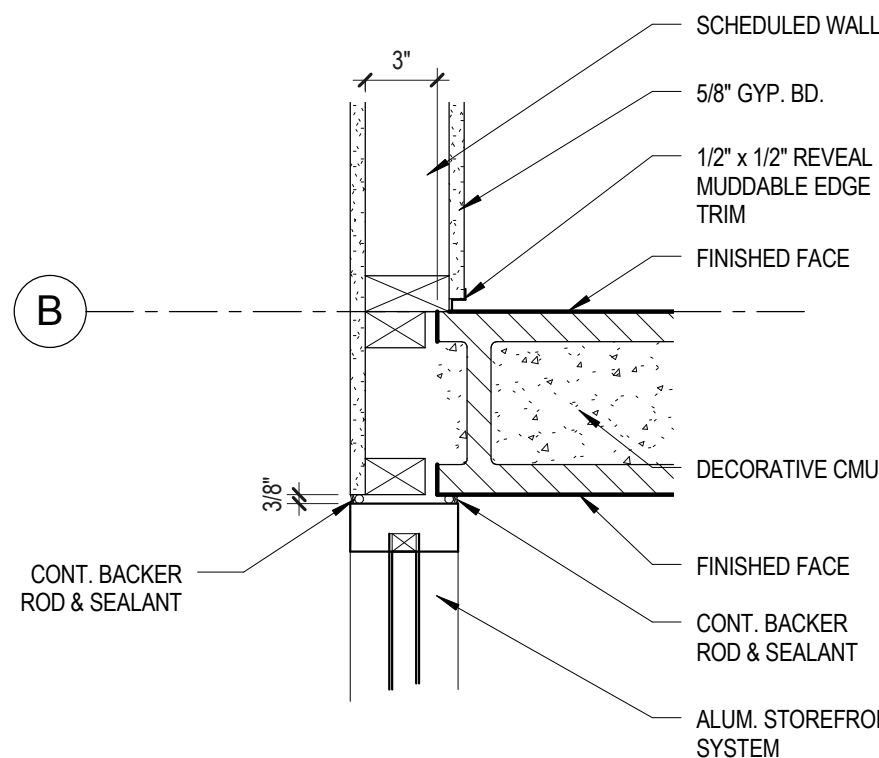
D3 INTERIOR DETAIL
AE521 SCALE 1 1/2" = 1'-0"



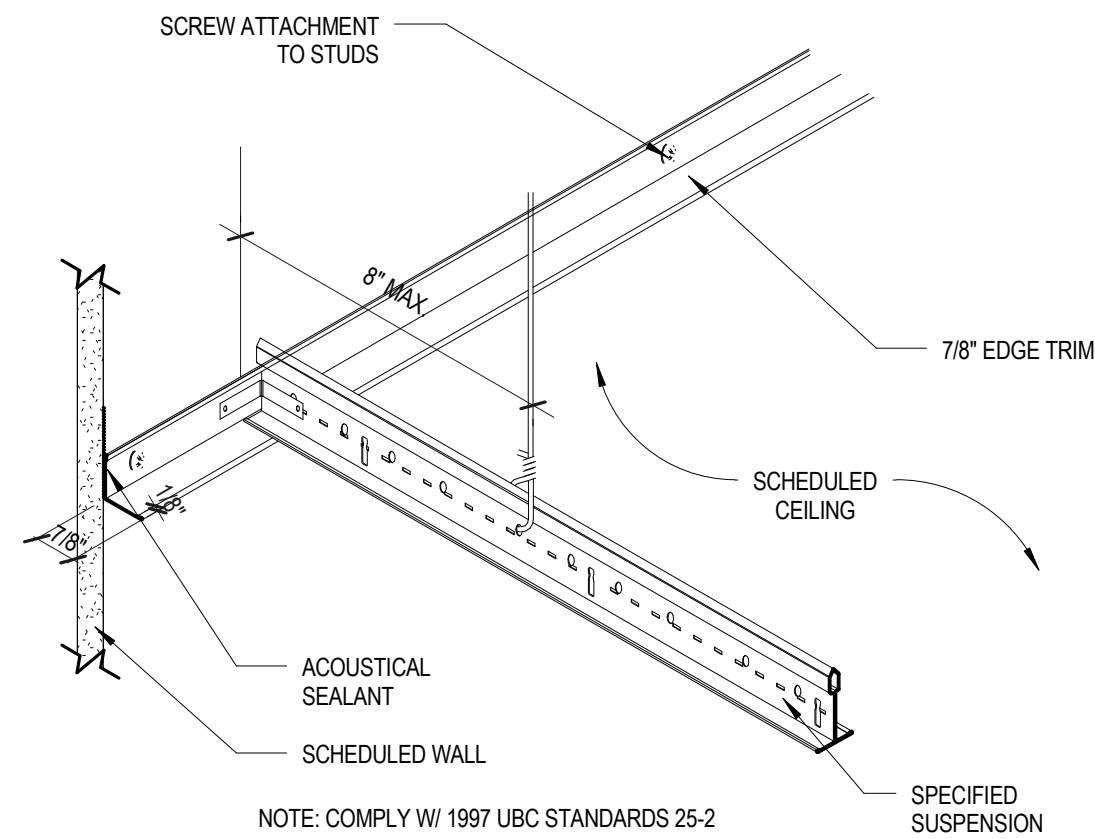
D2 SOFFIT @ SKYLIGHT
AE521 SCALE 1 1/2" = 1'-0"



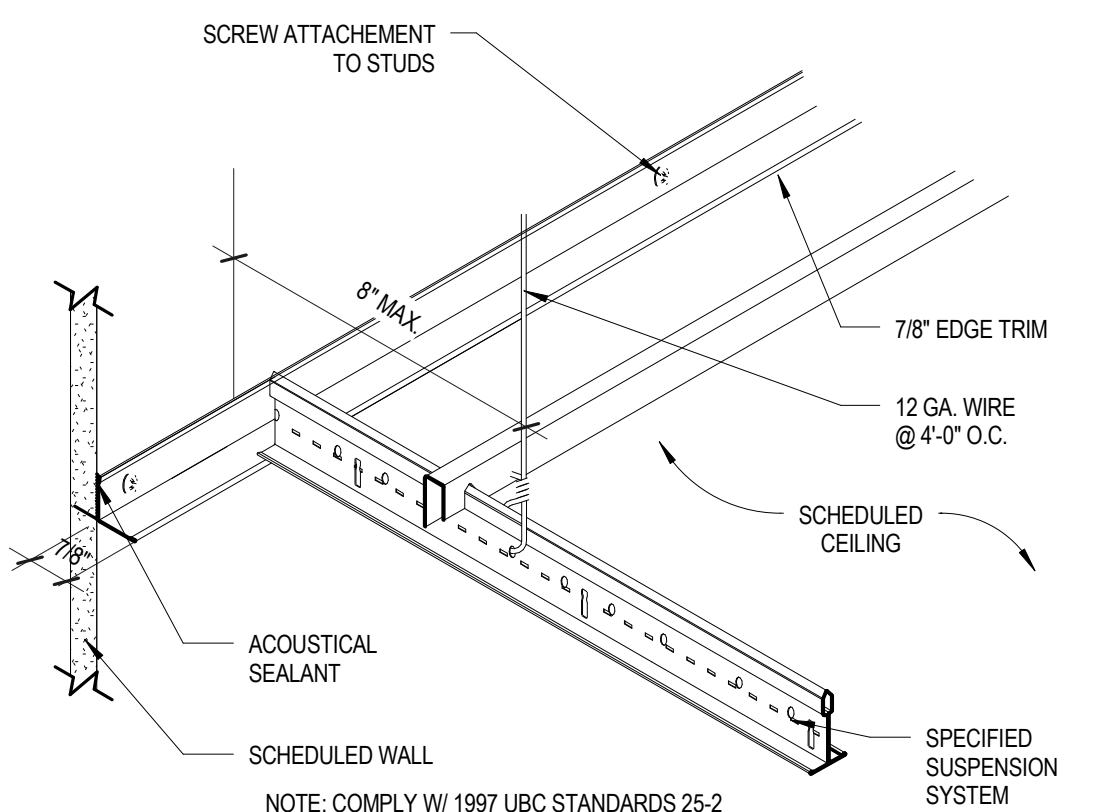
D1 SOFFIT @ SKYLIGHT
AE521 SCALE 1 1/2" = 1'-0"



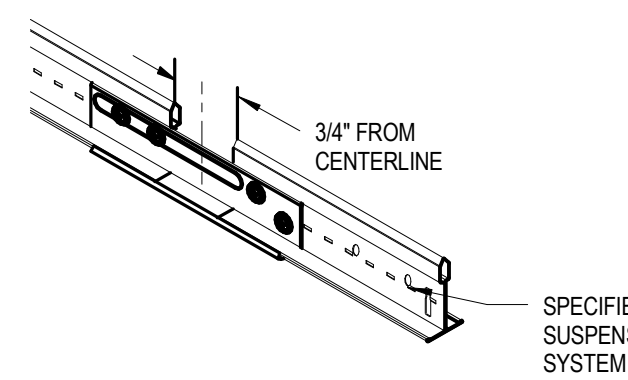
C3 STOREFRONT @ WALL
AE521 SCALE 1 1/2" = 1'-0"



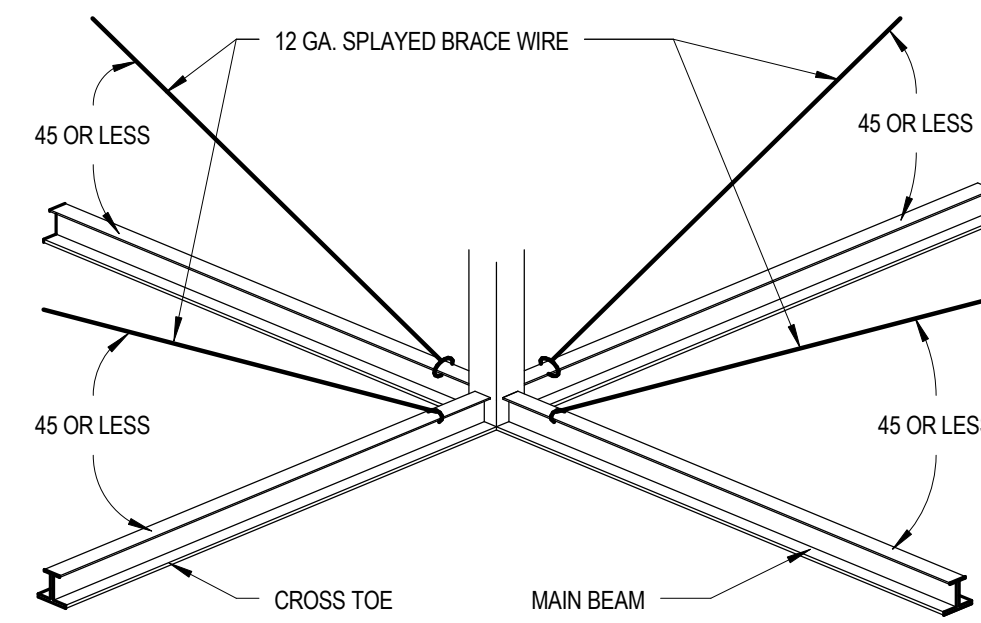
C2 RESTRAINED EDGE DETAIL @ ACOUSTICAL LAY-IN CEILING
AE521 SCALE 3" = 1'-0"



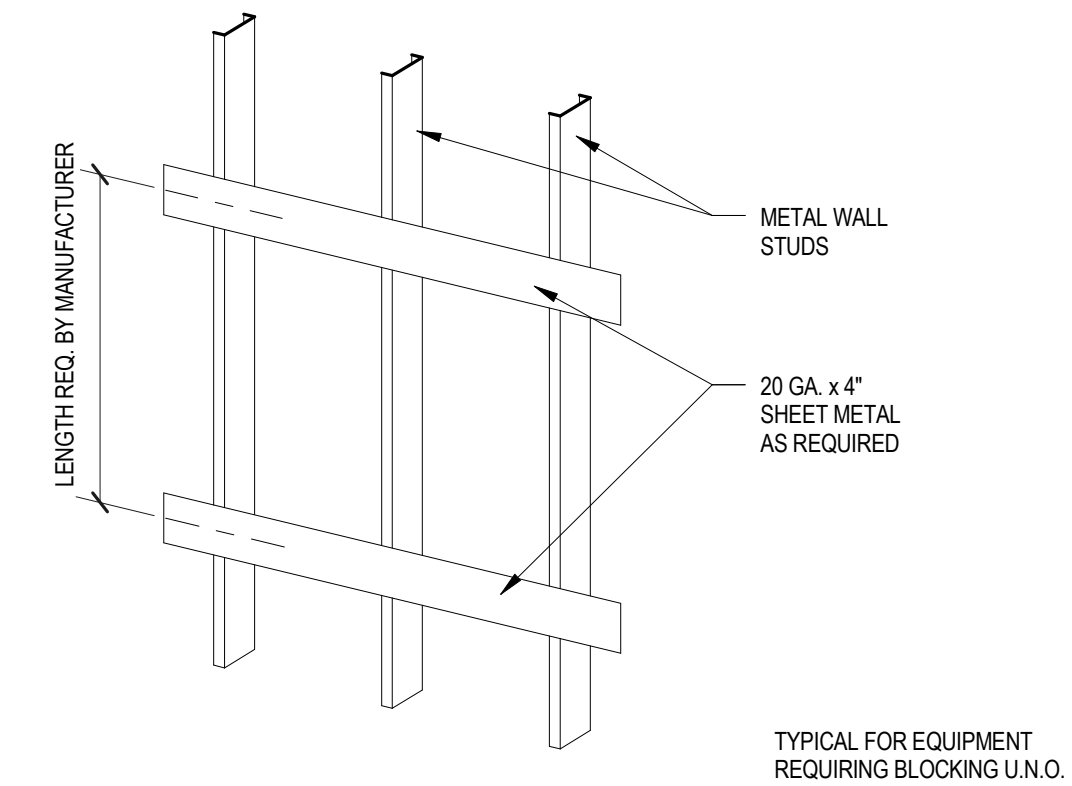
C1 UNRESTRAINED EDGE DETAIL @ ACOUSTICAL LAY-IN CEILING
AE521 SCALE 3" = 1'-0"



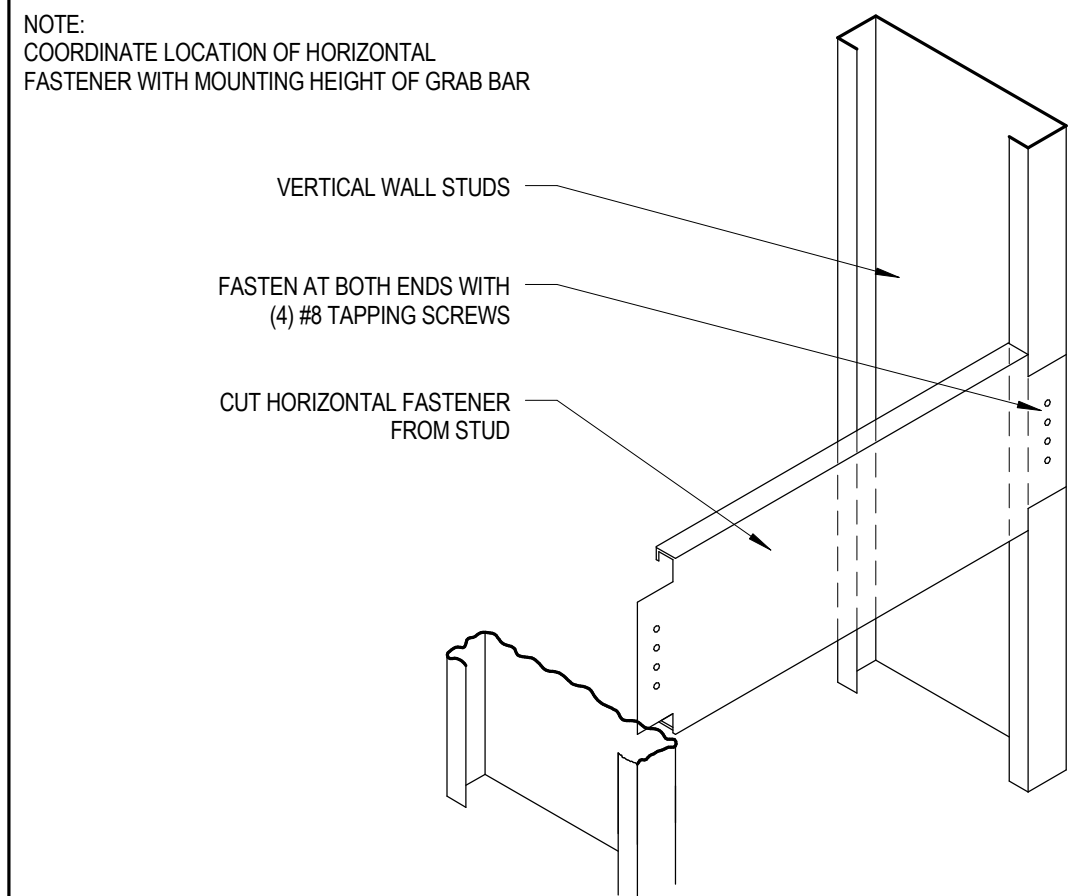
1 SEISMIC SEPARATION JOINT @ LAY-IN CEILING
AE521 SCALE 3" = 1'-0"



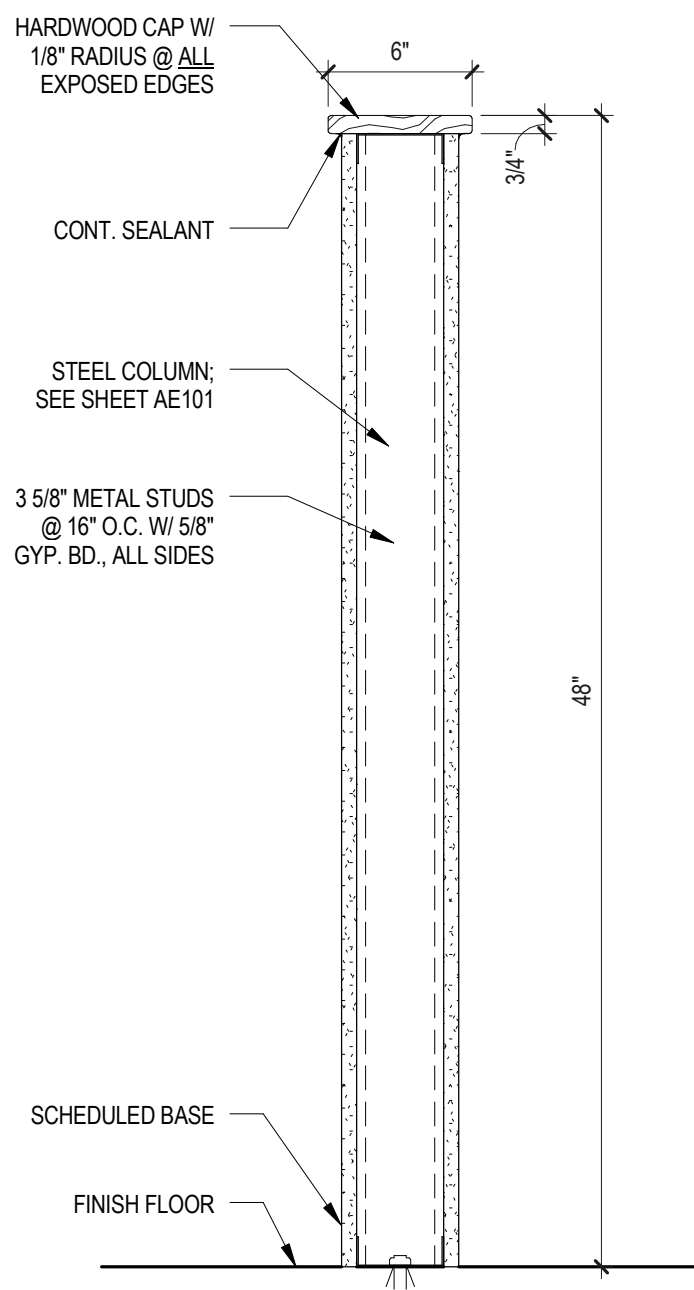
B2 SUSPENDED CEILING LATERAL BRACING
AE521 SCALE 1 1/2" = 1'-0"



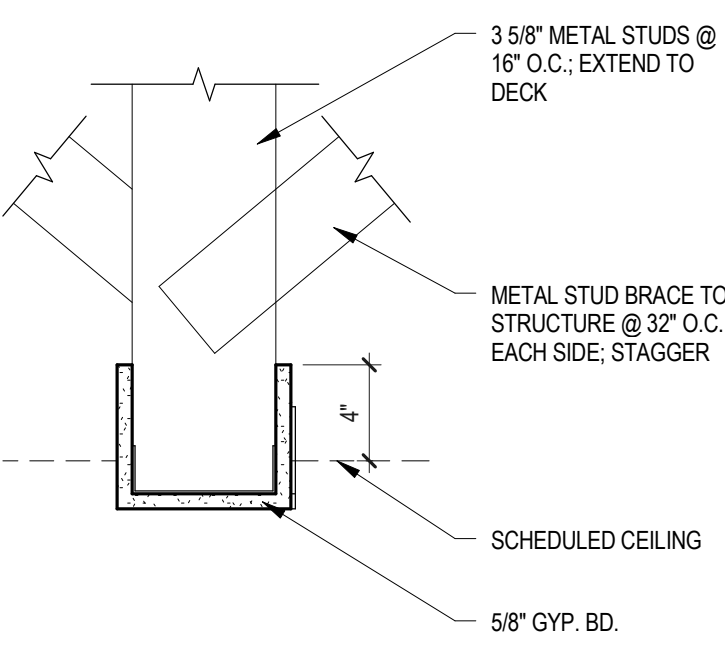
B1 BLOCKING DETAIL
AE521 SCALE 3" = 1'-0"



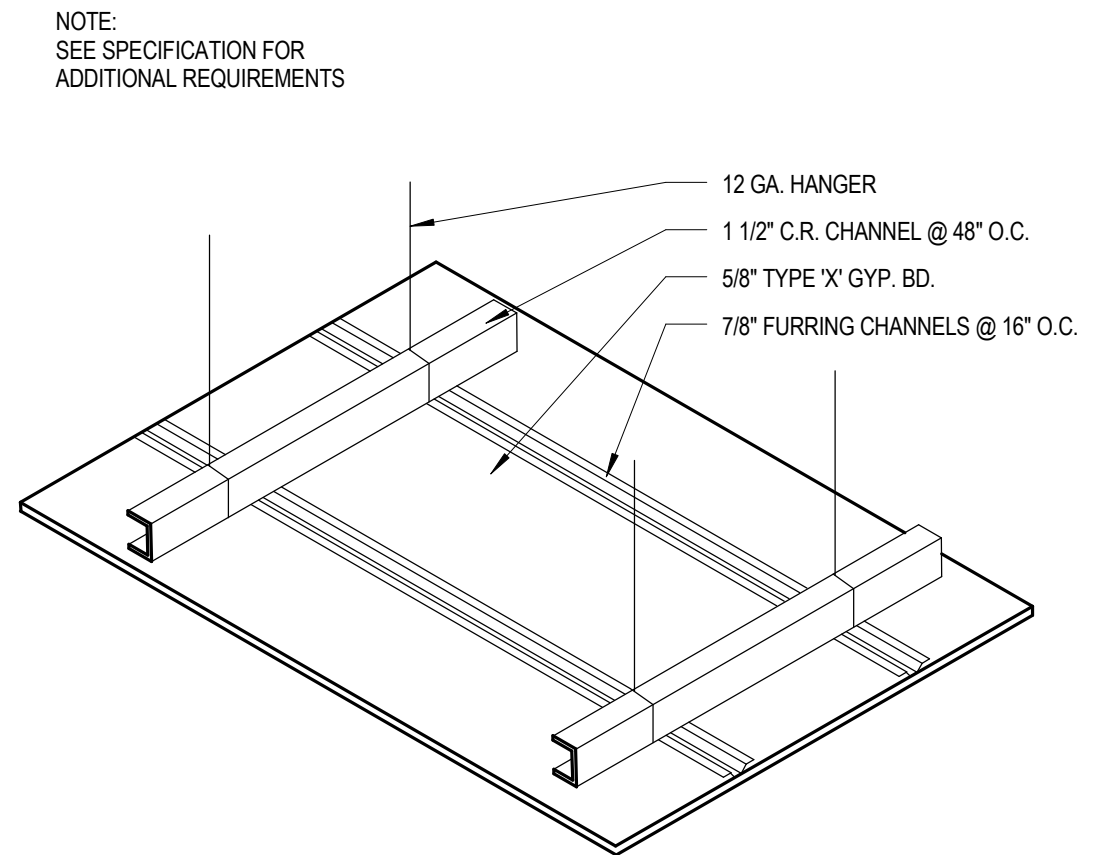
A5 GRAB BAR BLOCKING DETAIL
AE521 SCALE 3/8" = 1'-0"



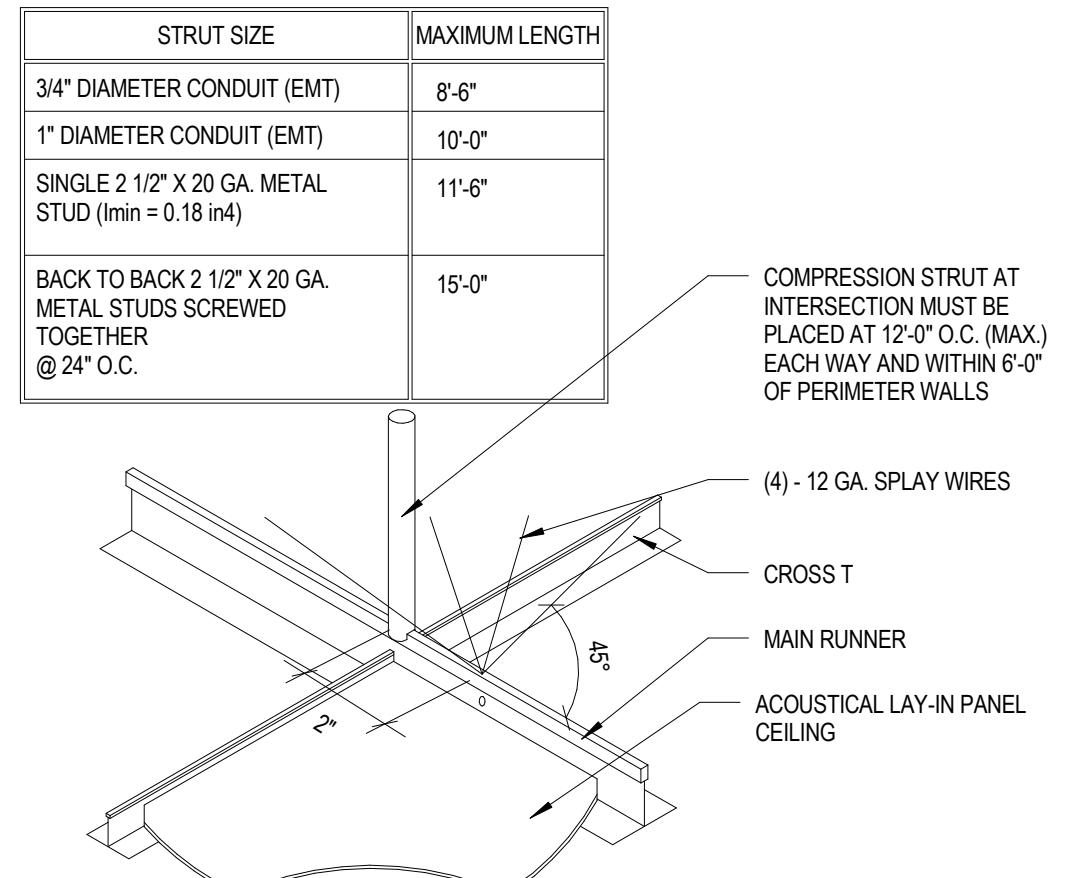
A4 HALF WALL DETAIL
AE521 SCALE 1 1/2" = 1'-0"



A3 SOFFIT DETAIL
AE521 SCALE 1 1/2" = 1'-0"



A2 SUSPENDED GYP. BD. CEILING SYSTEM
AE521 SCALE 3" = 1'-0"



A1 TYPICAL COMPRESSION STRUT
AE521 SCALE 3" = 1'-0"

CONSTRUCTION DOCUMENTS

DLD - OGDEN

SOUTH OGDEN, UTAH

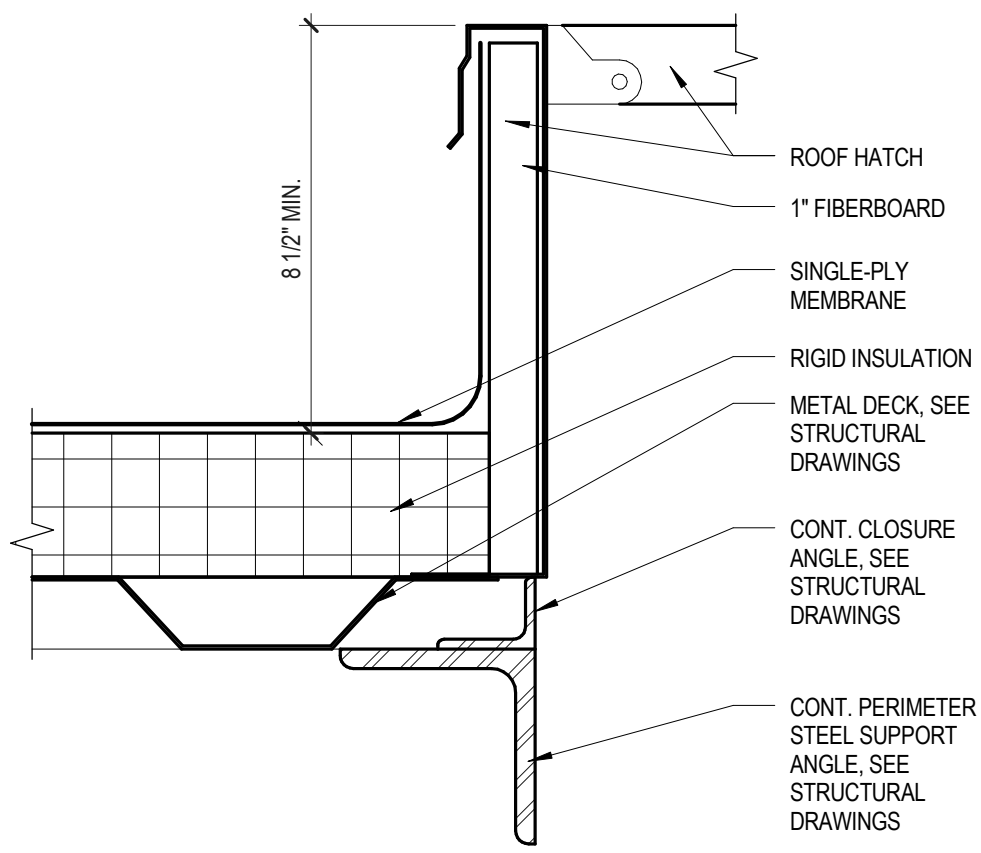


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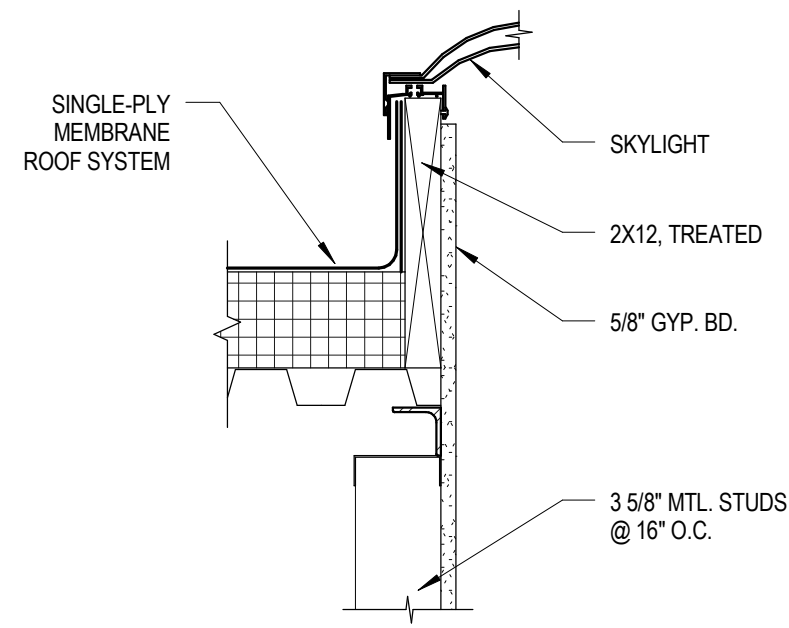
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INTERIOR FINISH DETAILS

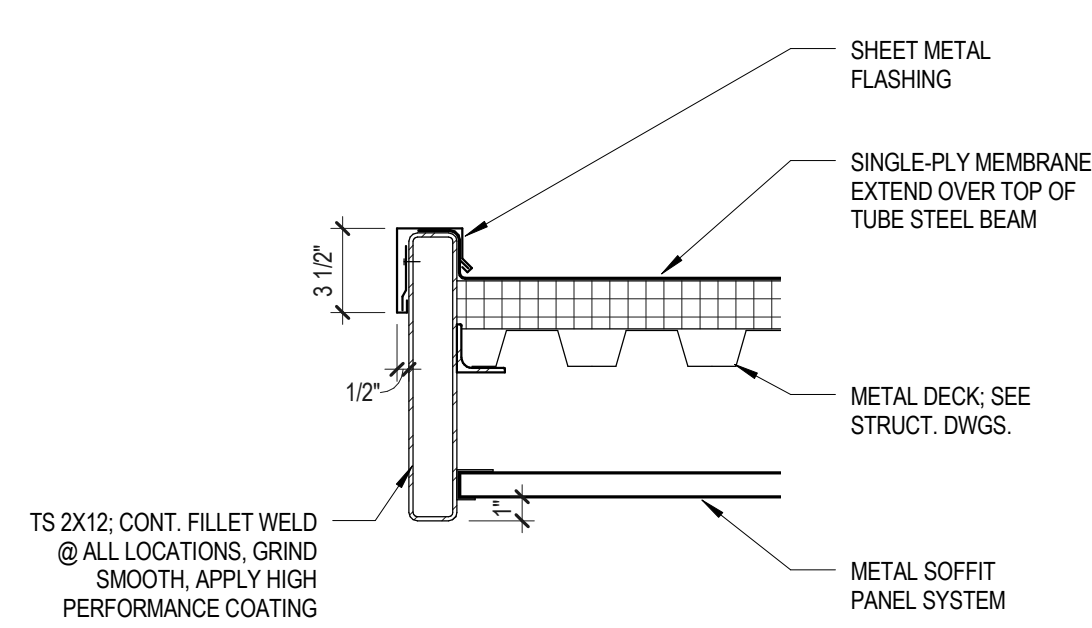
AE521



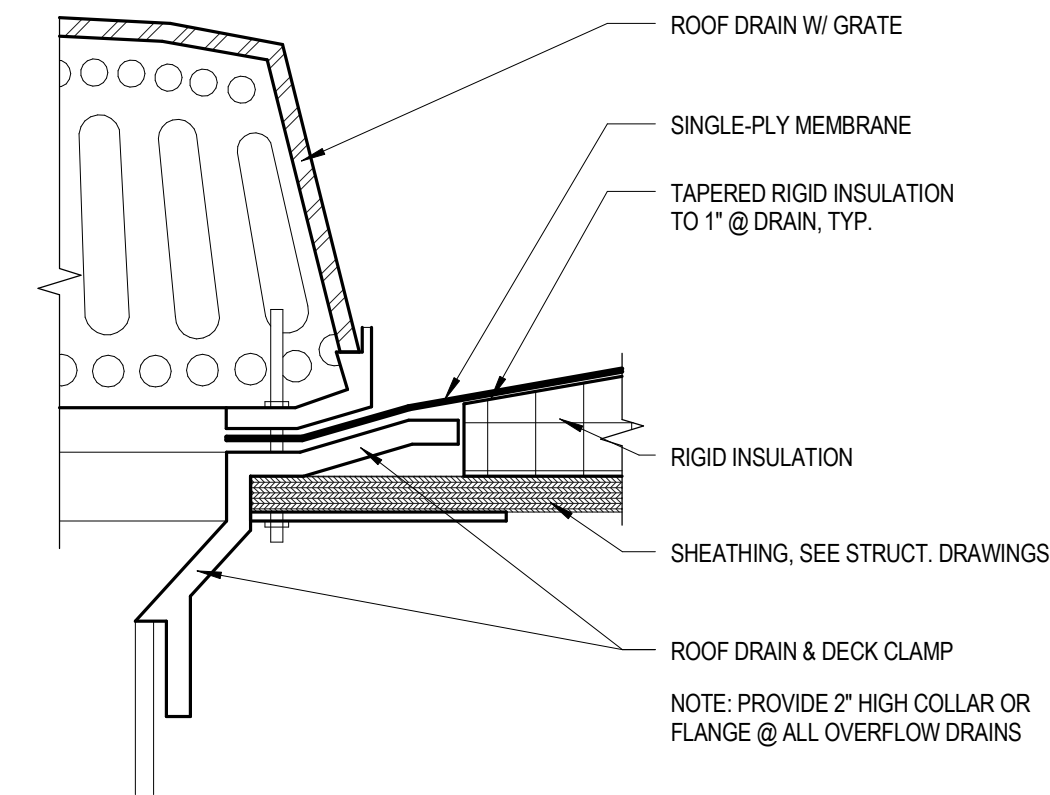
D5 ROOF HATCH DETAIL
AE541 SCALE 3" = 1'-0"



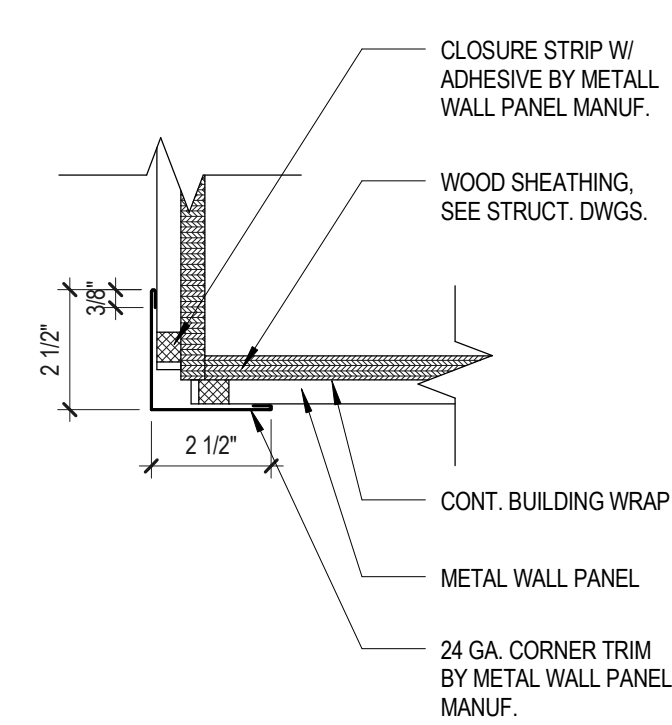
D4 SKYLIGHT DETAIL
AE541 SCALE 1 1/2" = 1'-0"



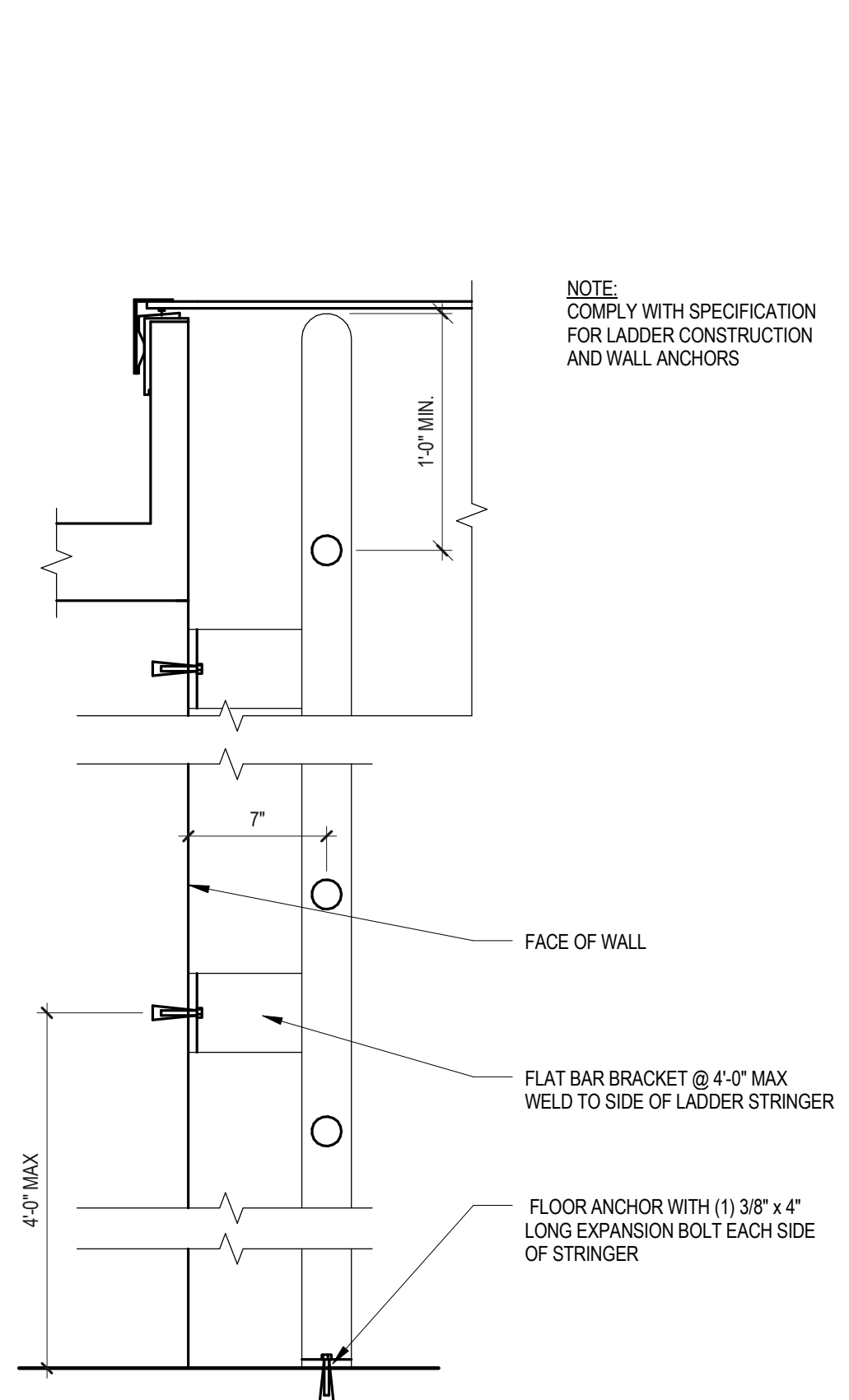
D3 CANOPY EDGE DETAIL
AE541 SCALE 1 1/2" = 1'-0"



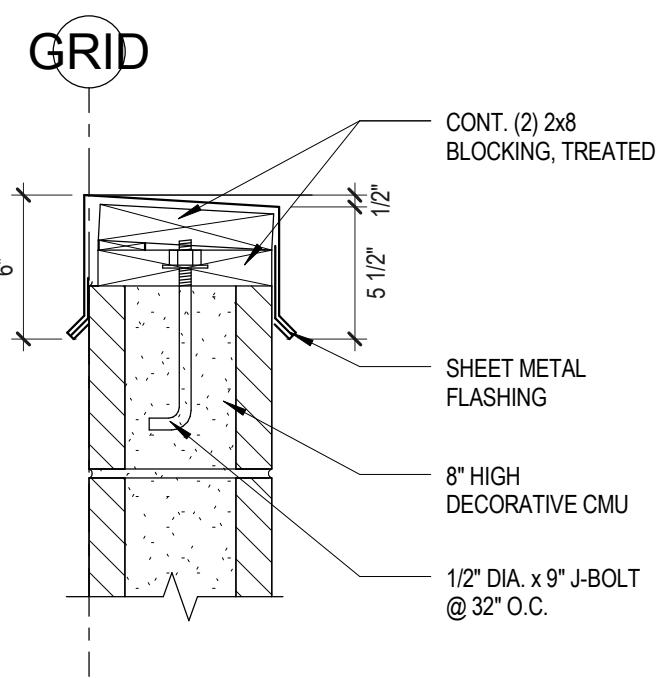
D2 ROOF / OVERFLOW DRAIN DETAIL
AE541 SCALE 3" = 1'-0"



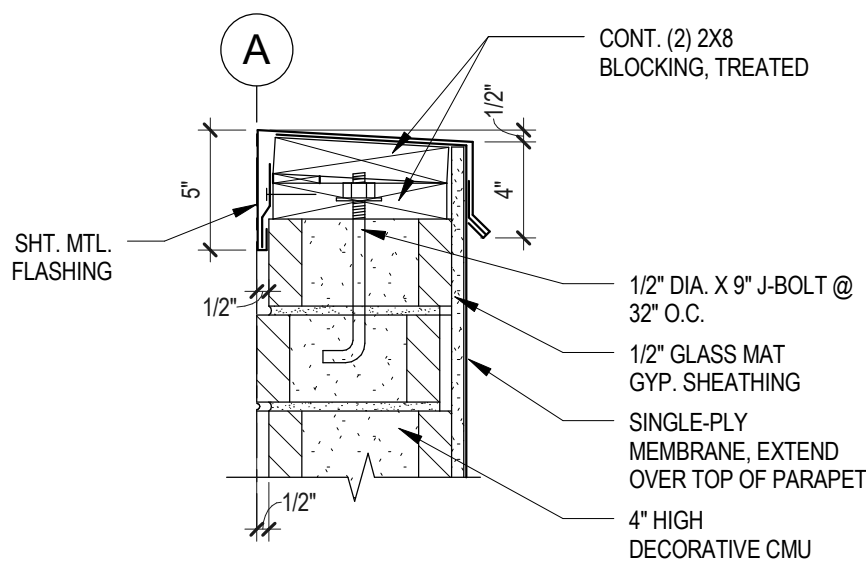
D1 METAL WALL PANEL DETAIL
AE541 SCALE 3" = 1'-0"



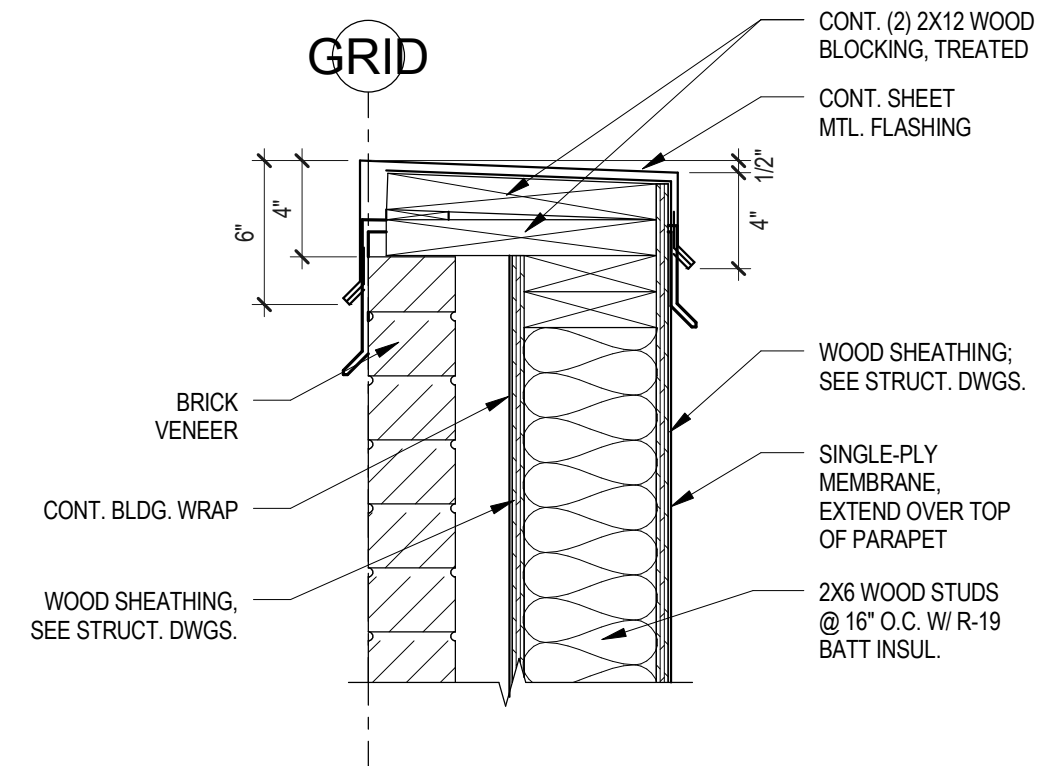
B5 ACCESS LADDER
AE541 SCALE 1 1/2" = 1'-0"



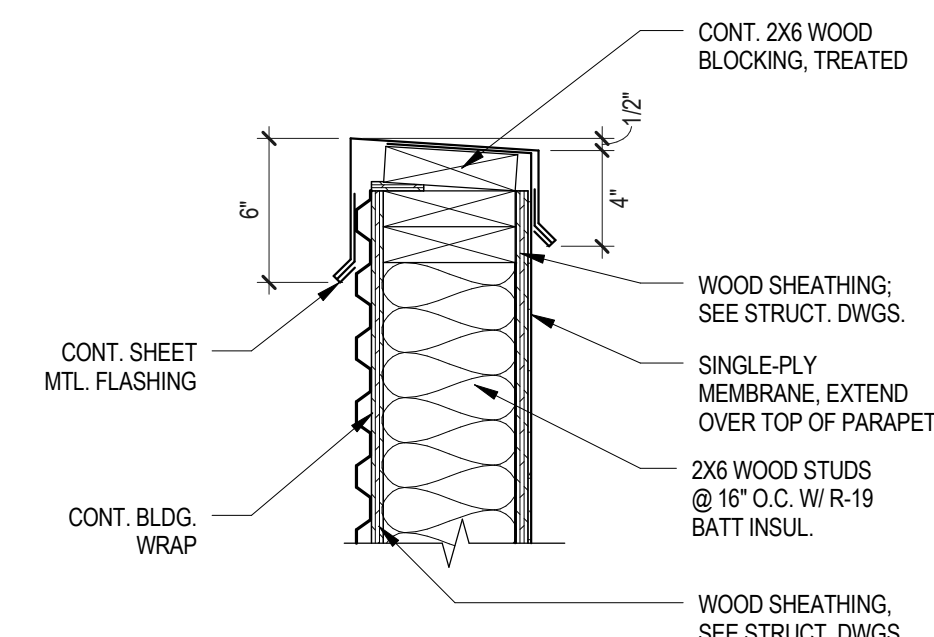
C4 PARAPET DETAIL
AE541 SCALE 1 1/2" = 1'-0"



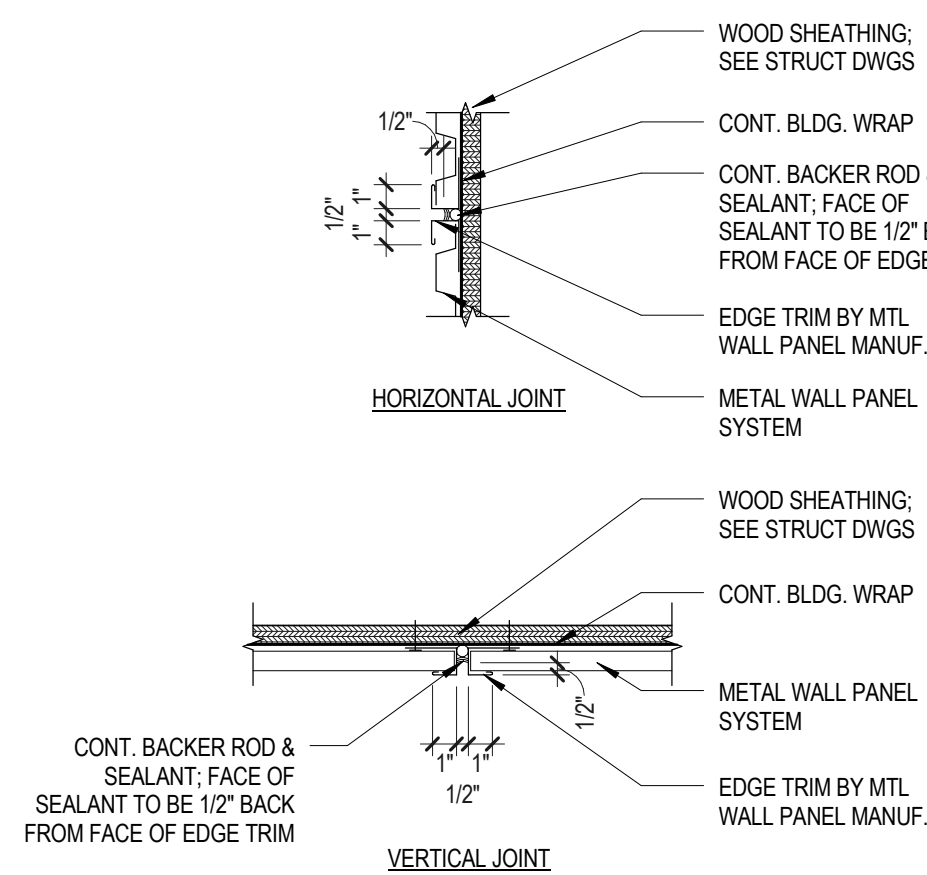
C3 PARAPET DETAIL
AE541 SCALE 1 1/2" = 1'-0"



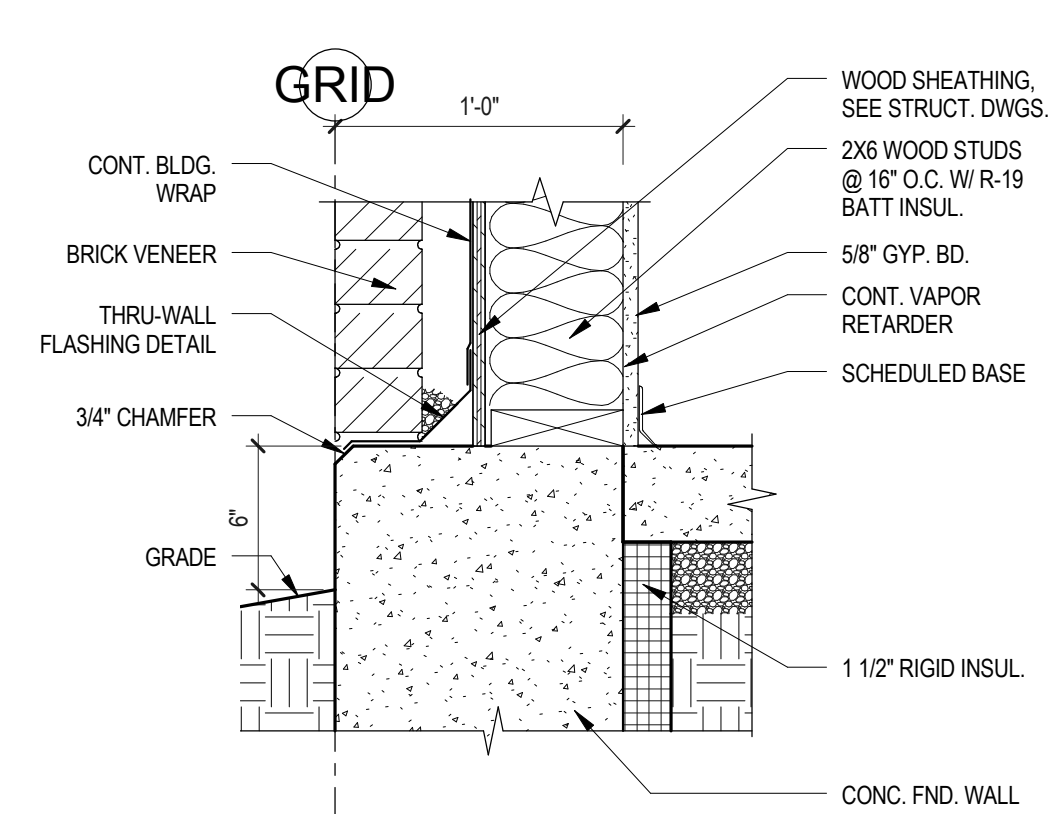
C2 PARAPET DETAIL
AE541 SCALE 1 1/2" = 1'-0"



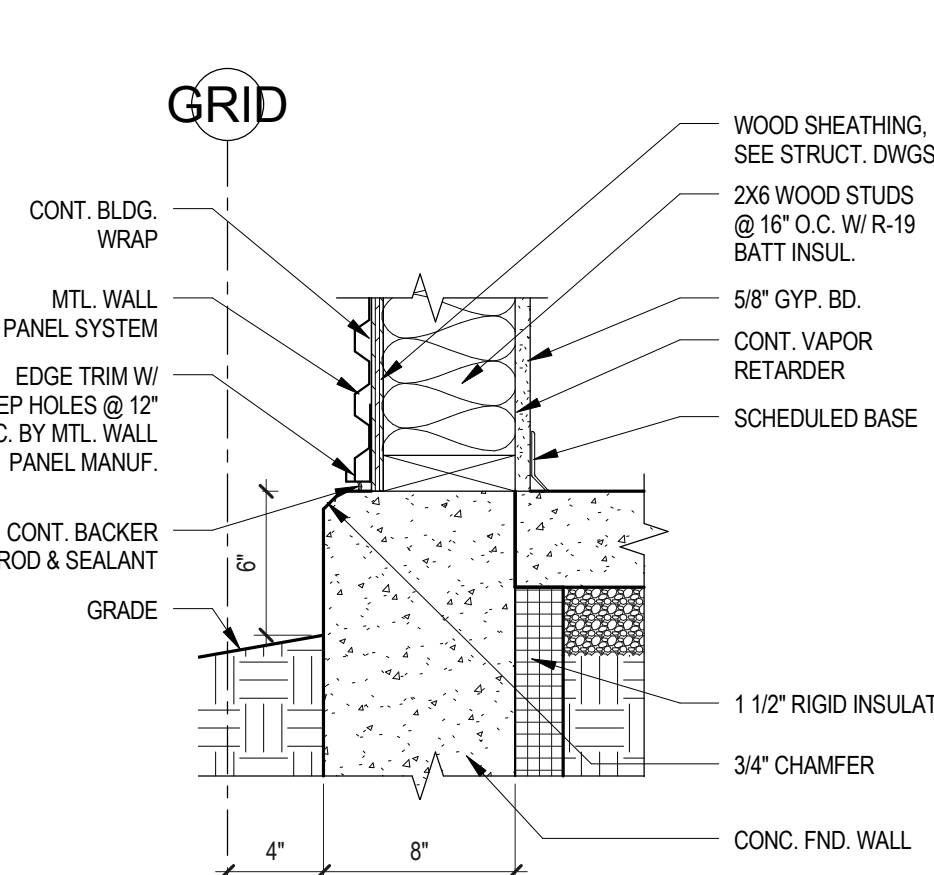
C1 PARAPET DETAIL
AE541 SCALE 1 1/2" = 1'-0"



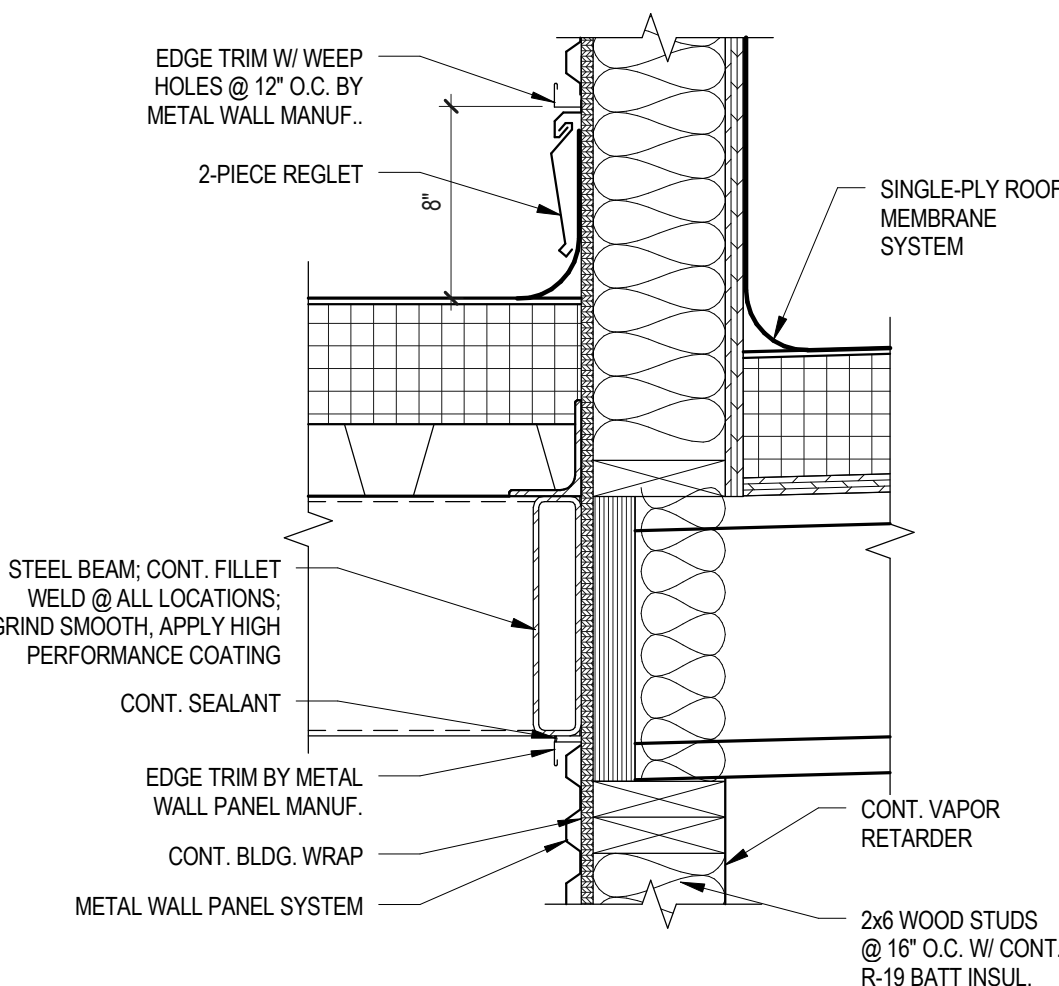
B3 METAL WALL PANEL JOINT DETAIL
AE541 SCALE 1 1/2" = 1'-0"



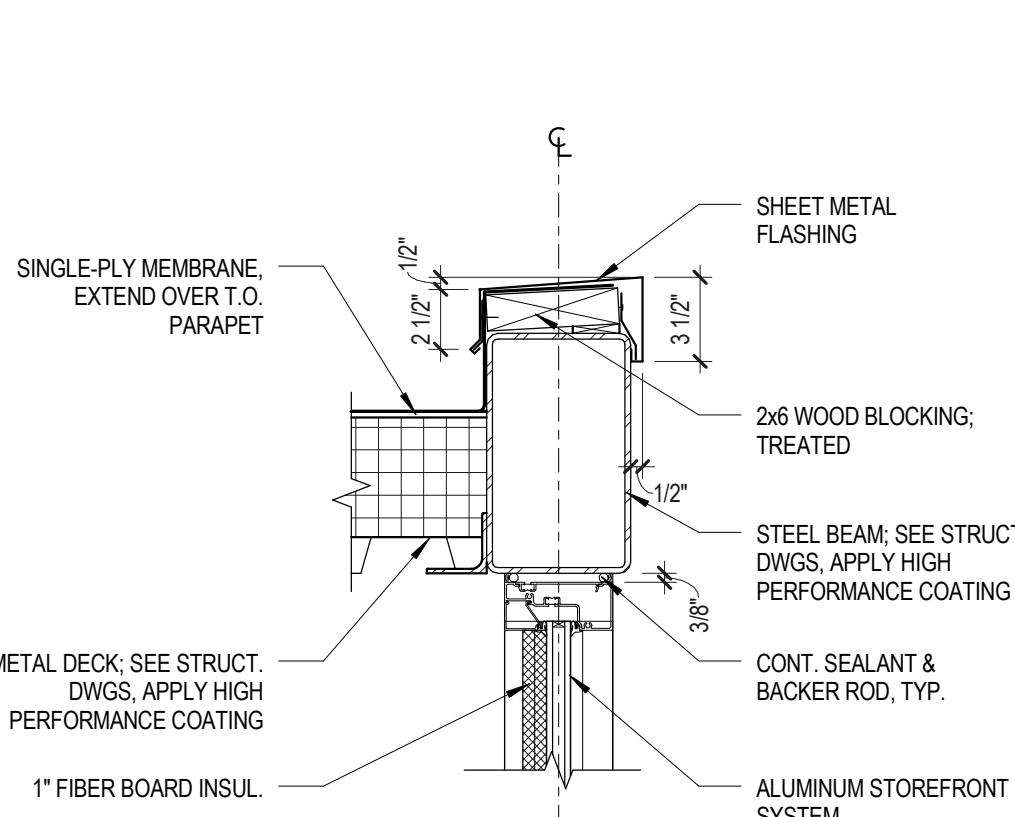
B2 WALL DETAIL
AE541 SCALE 1 1/2" = 1'-0"



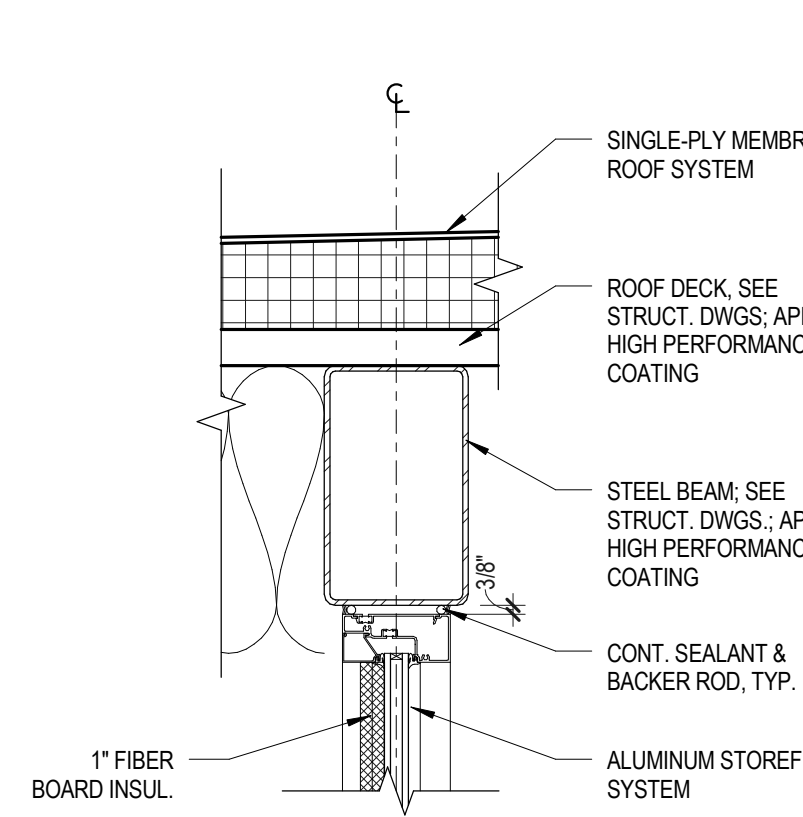
B1 WALL DETAIL
AE541 SCALE 1 1/2" = 1'-0"



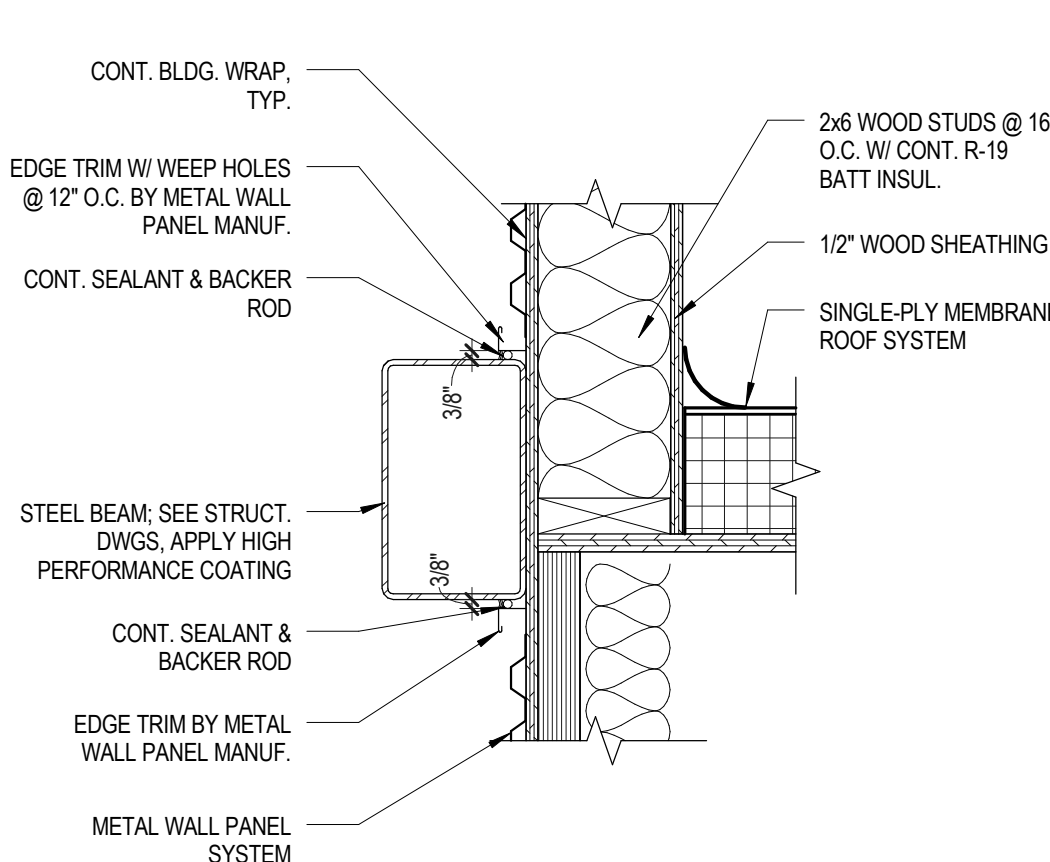
A5 CANOPY DETAIL
AE541 SCALE 1 1/2" = 1'-0"



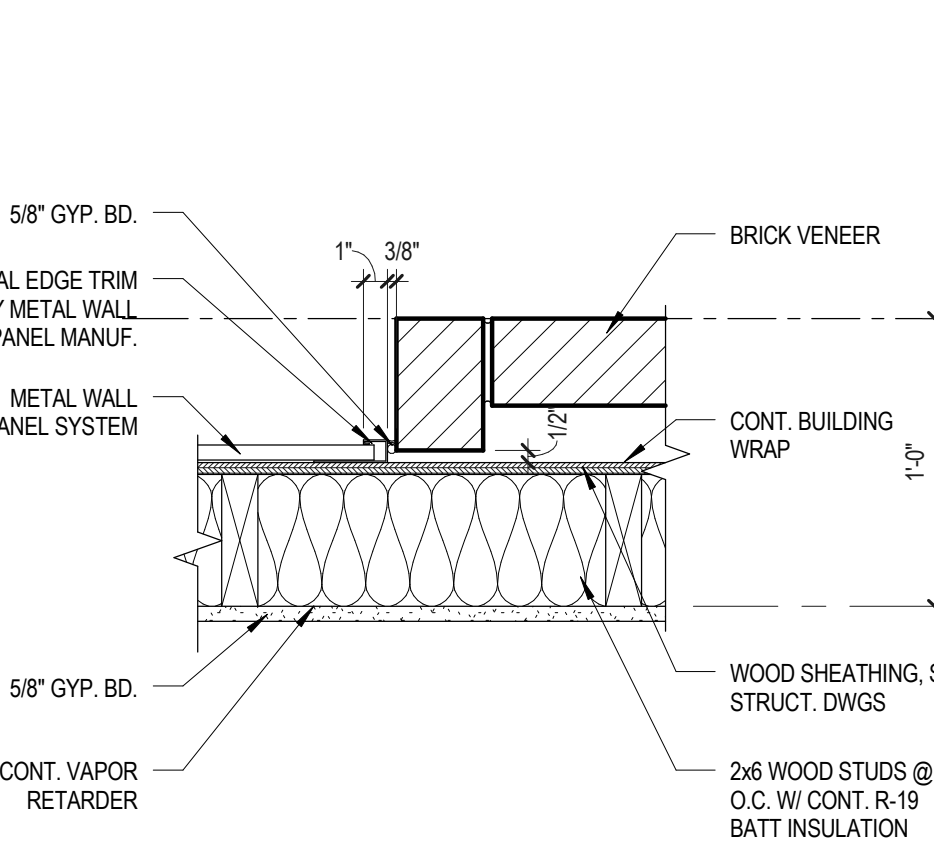
A4 CANOPY DETAIL
AE541 SCALE 1 1/2" = 1'-0"



A3 CANOPY DETAIL
AE541 SCALE 1 1/2" = 1'-0"



A2 CANOPY DETAIL
AE541 SCALE 1 1/2" = 1'-0"



A1 WALL DETAIL
AE541 SCALE 1 1/2" = 1'-0"

CONSTRUCTION DOCUMENTS

DLD - OGDEN

SOUTH OGDEN, UTAH

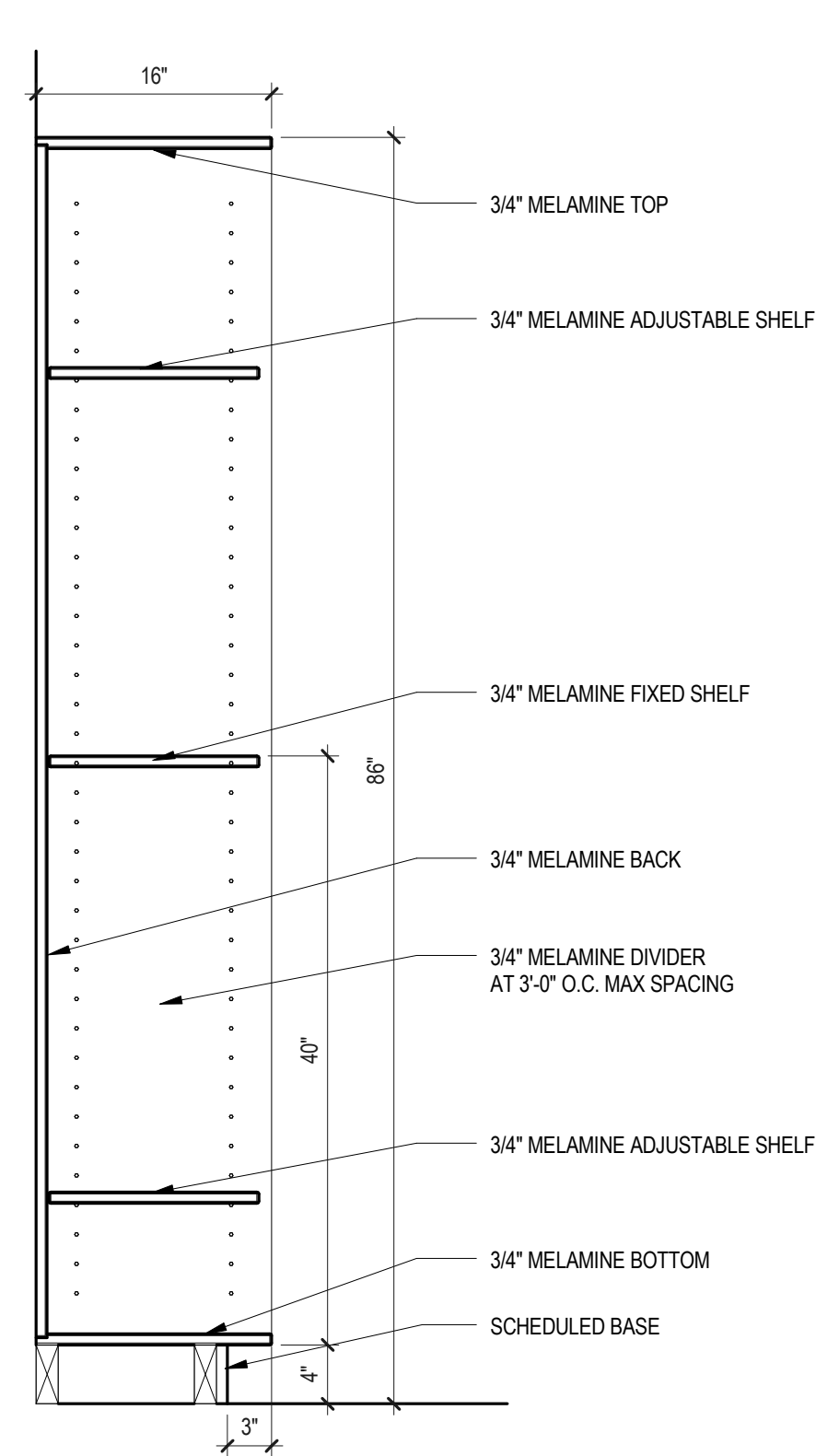


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BUILDING
DETAILS

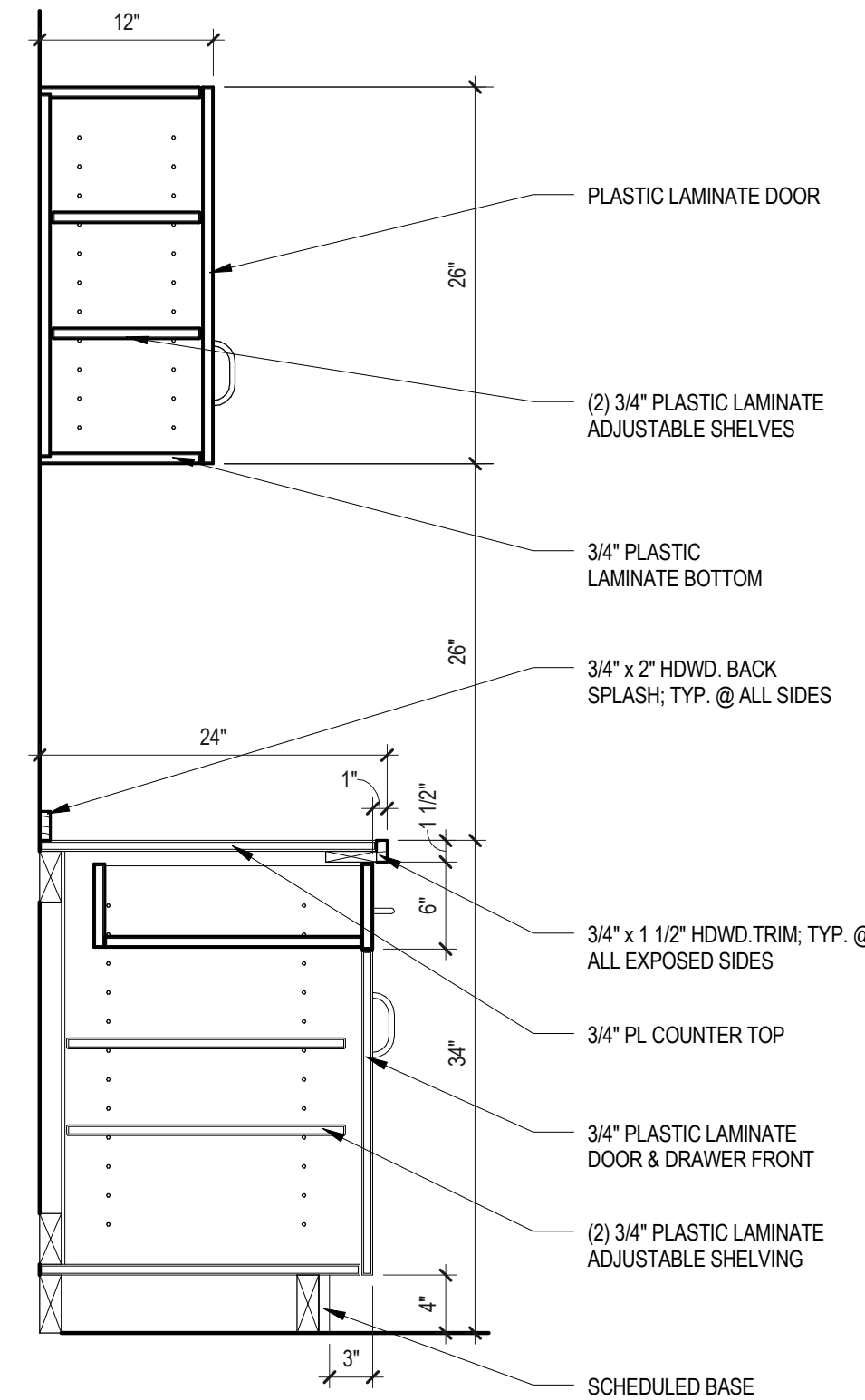
AE541



C2
AE571

CABINET SECTION

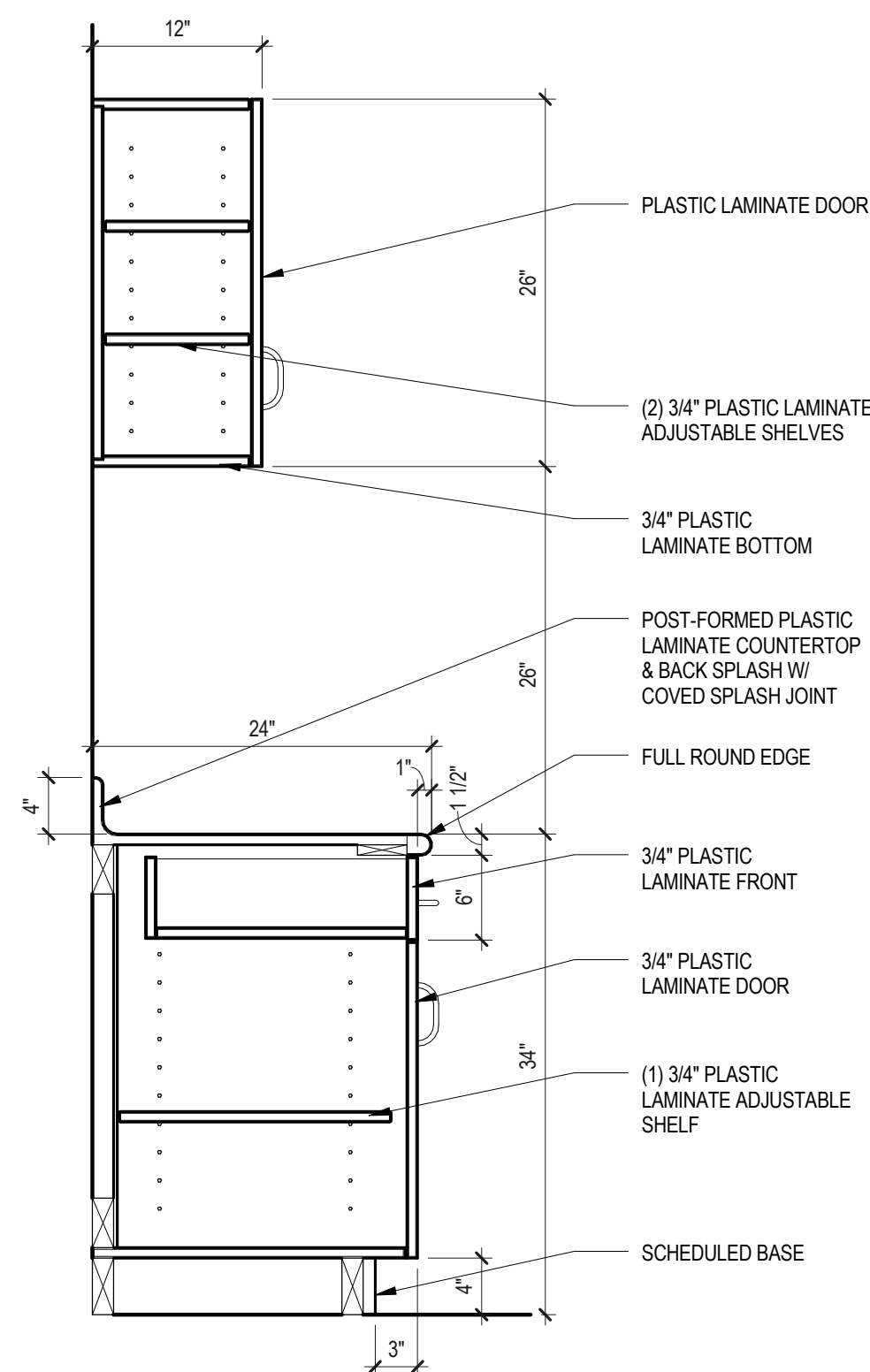
SCALE 1" = 1'-0"



C1
AE571

CABINET SECTION

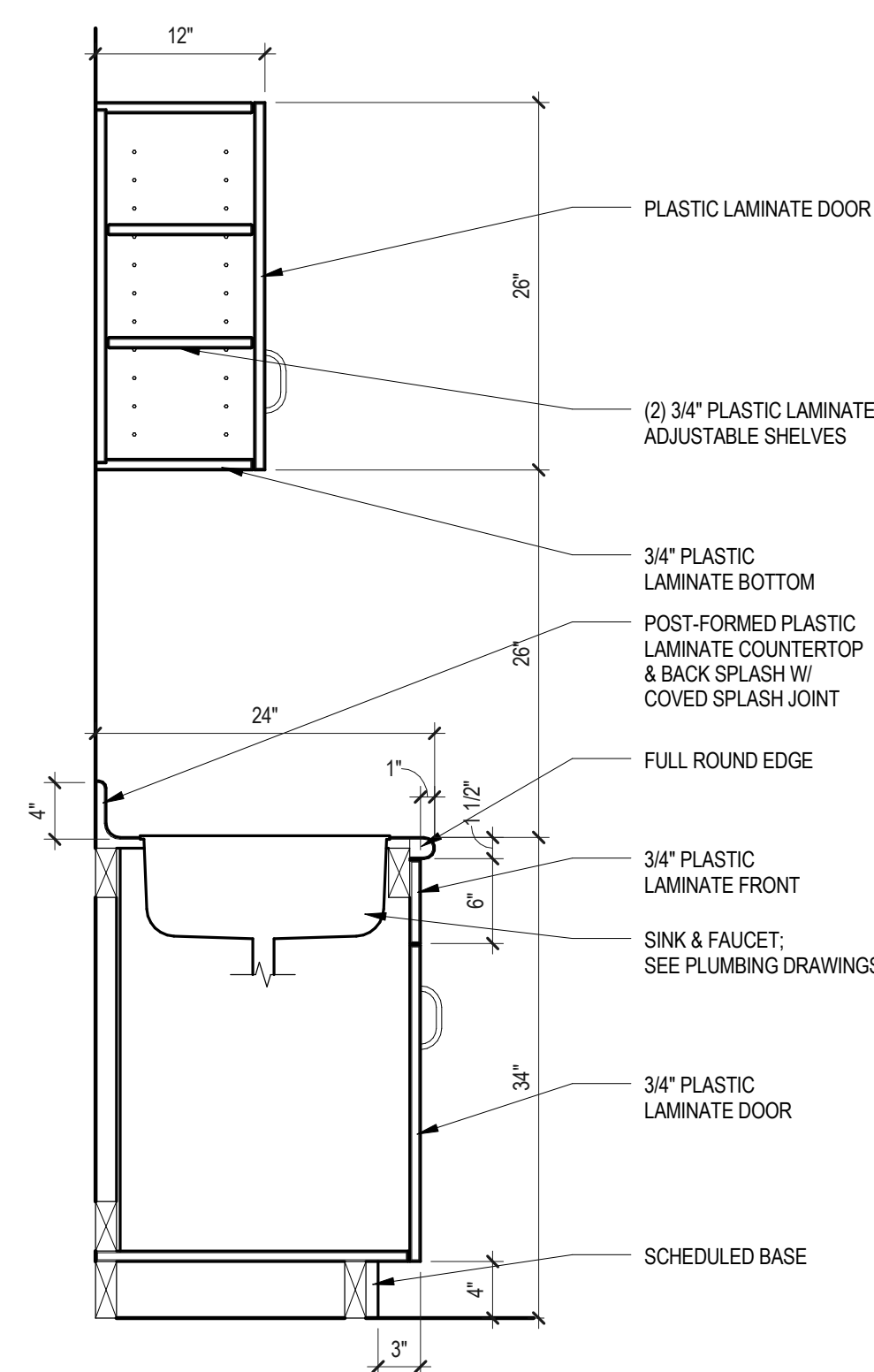
SCALE 1" = 1'-0"



A3
AE571

CABINET SECTION

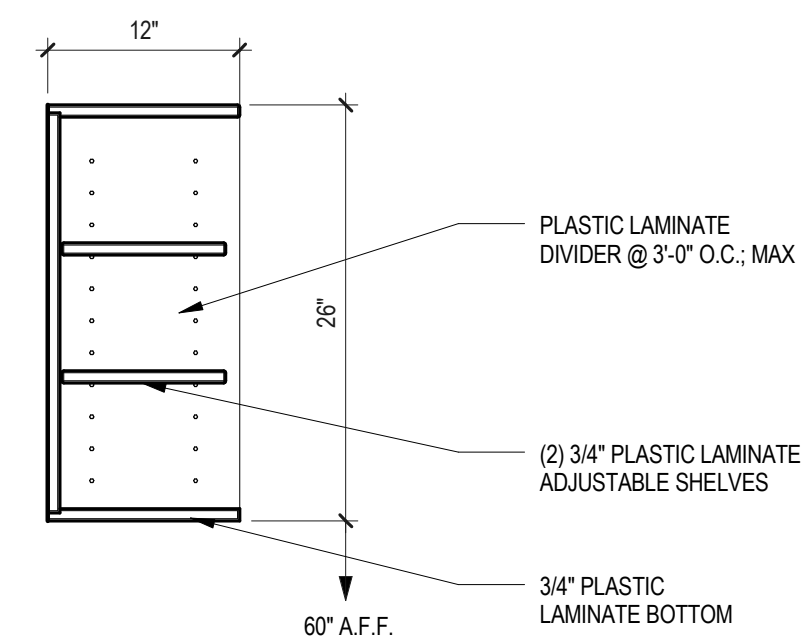
SCALE 1" = 1'-0"



A2
AE571

CABINET SECTION

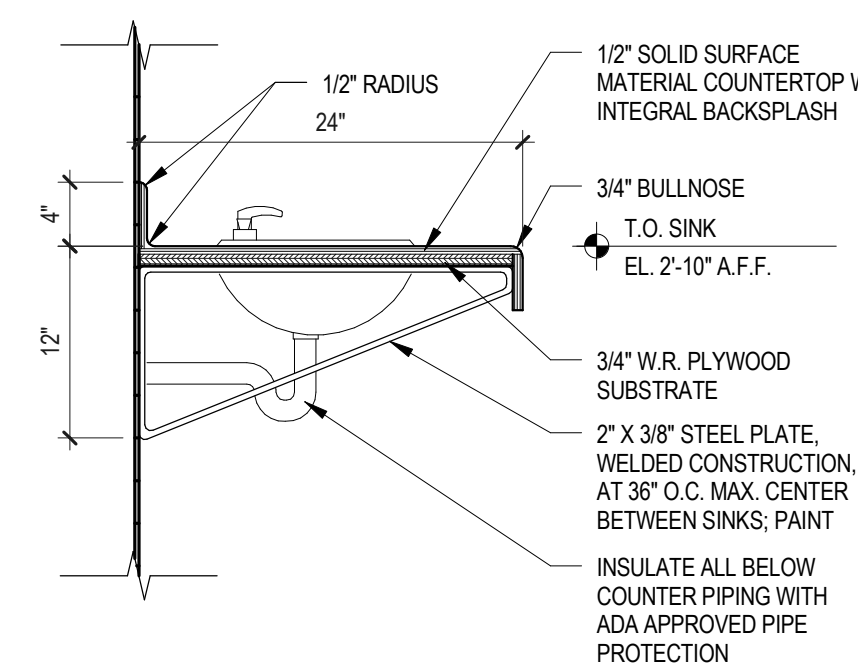
SCALE 1" = 1'-0"



B1
AE571

CABINET SECTION

SCALE 1" = 1'-0"



A1
AE571

LAVATORY SECTION

SCALE 1" = 1'-0"

CONSTRUCTION DOCUMENTS

DLD - OGDEN

SOUTH OGDEN, UTAH

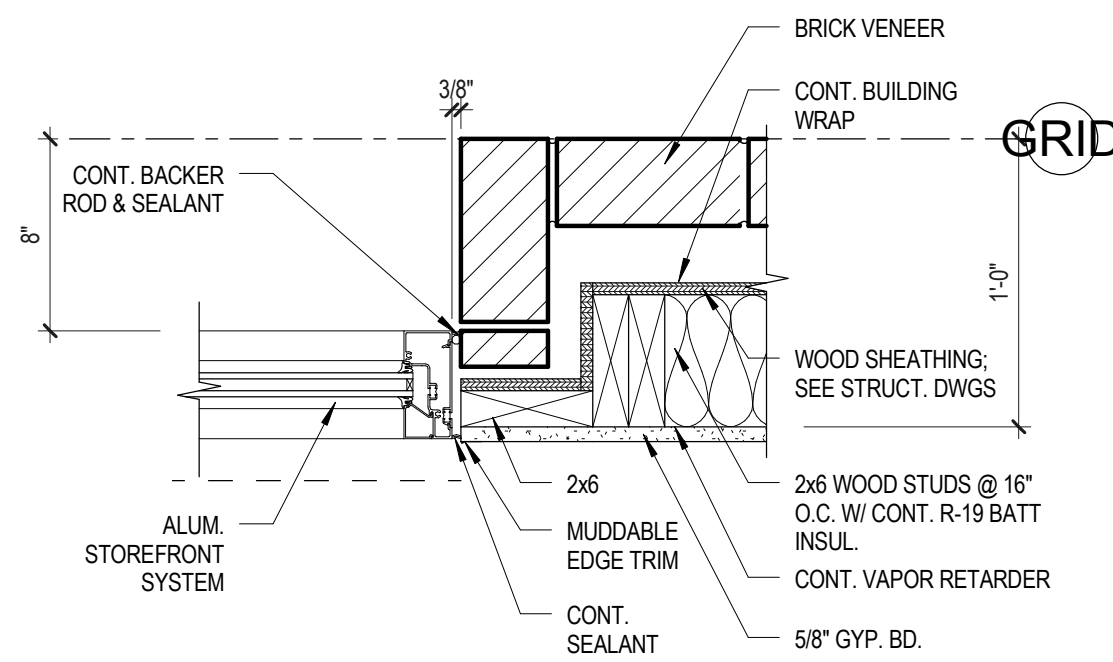


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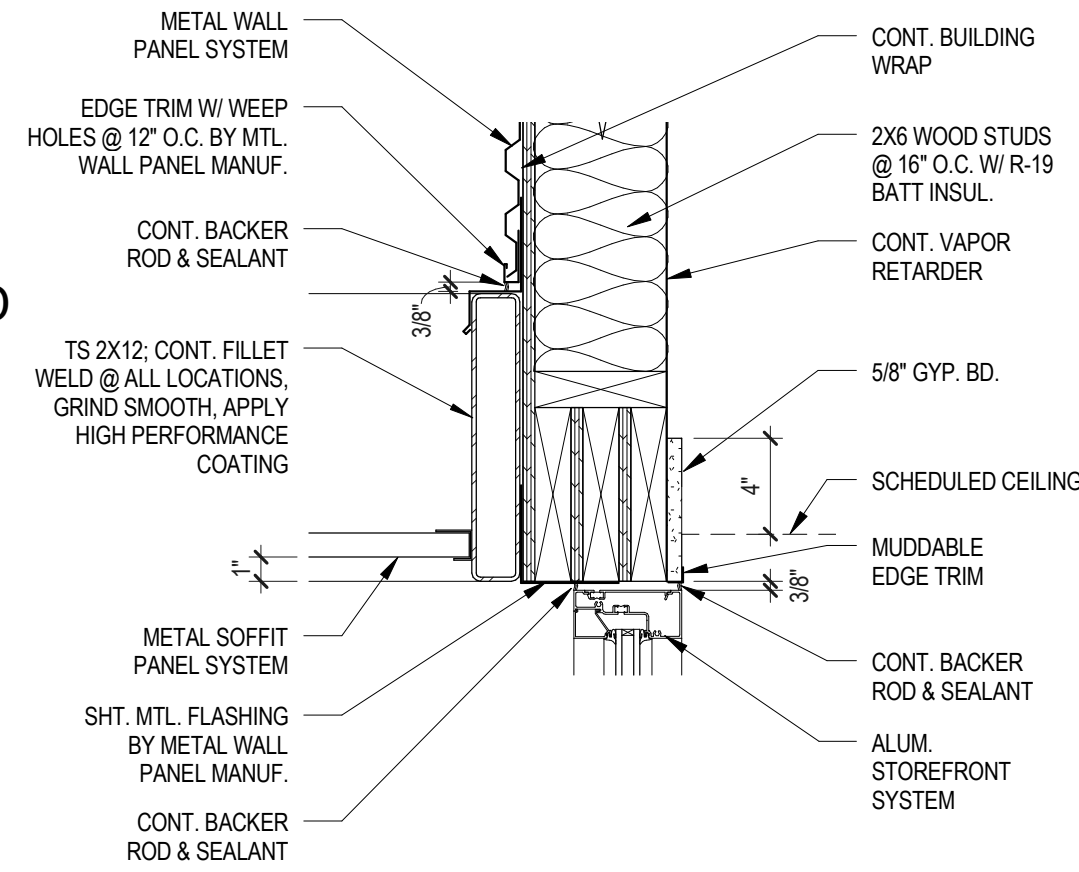
DATE/REVISION	PROJECT #
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MILLWORK
SECTION
DETAILS

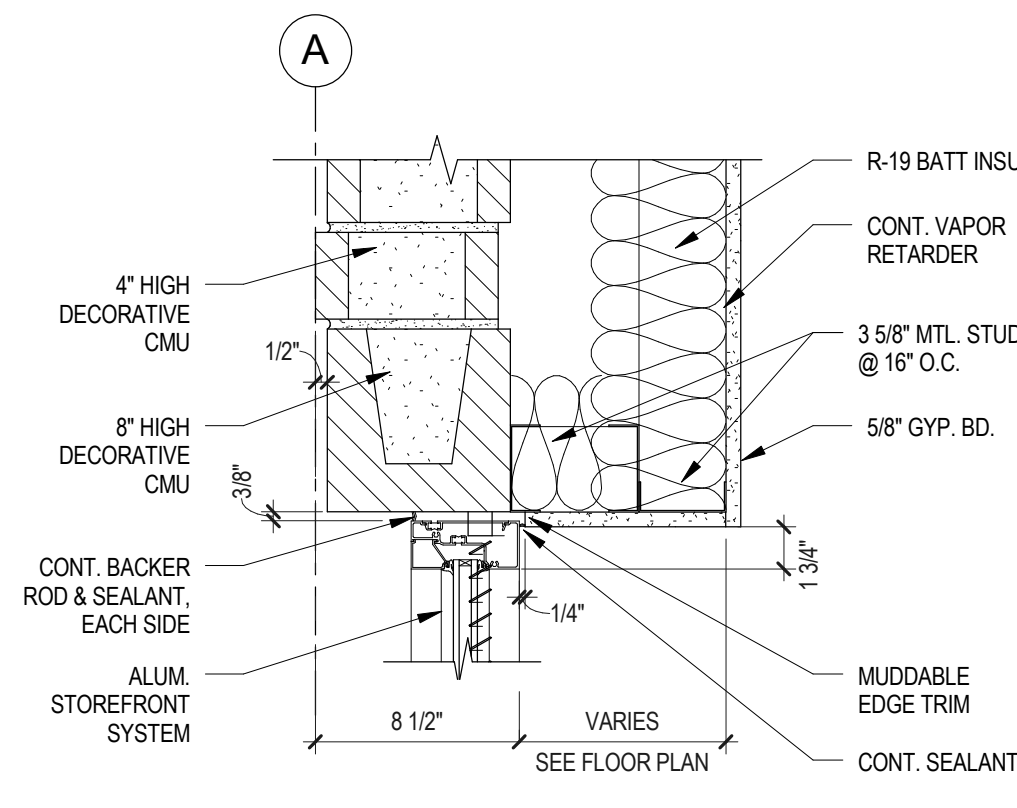
AE571



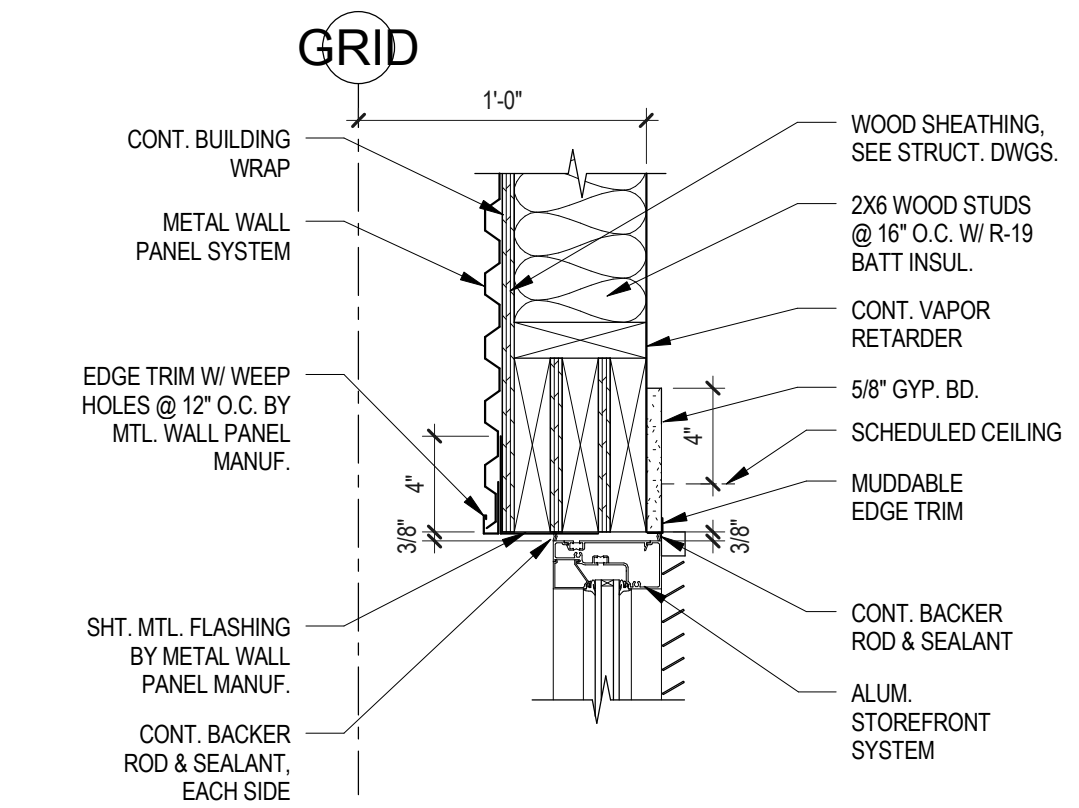
D4 ALUM. STOREFRONT JAMB DETAIL
AE591 SCALE 1 1/2" = 1'-0"



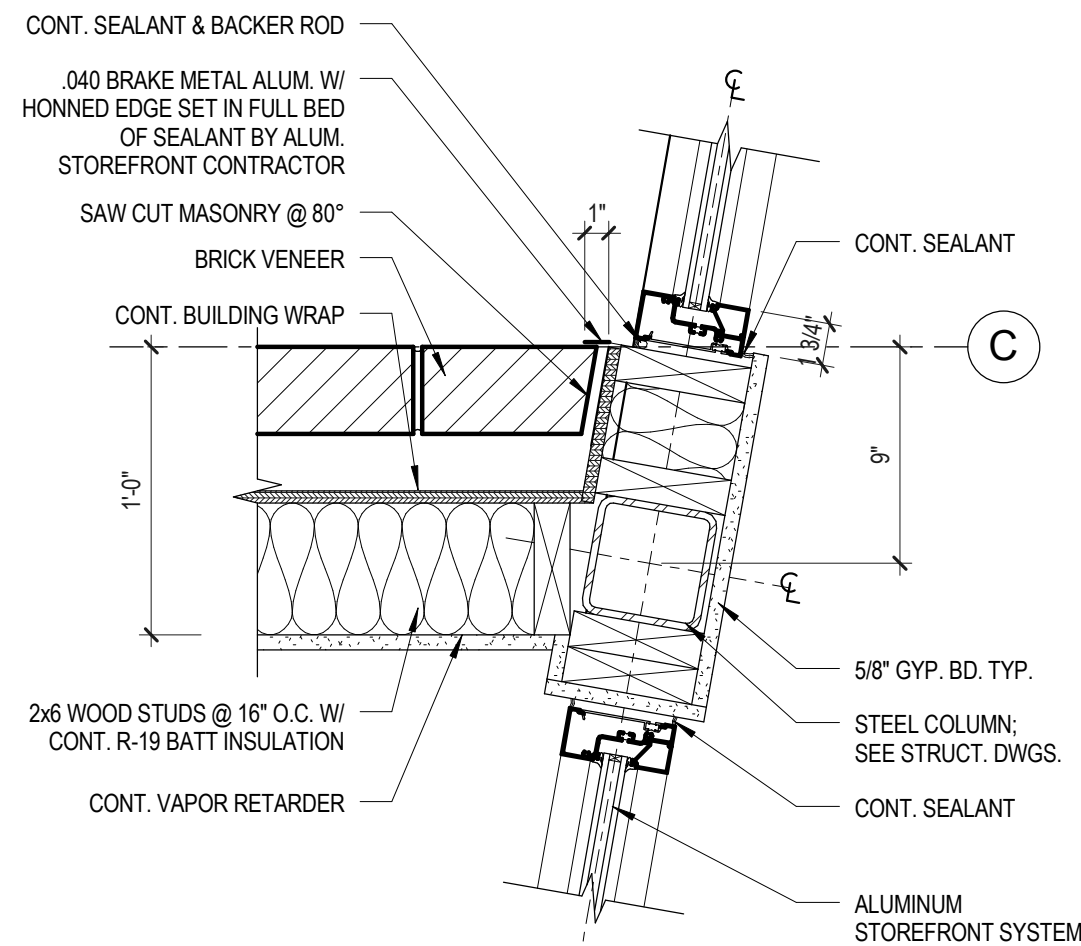
D3 STOREFRONT HEAD DETAIL & CANOPY
AE591 SCALE 1 1/2" = 1'-0"



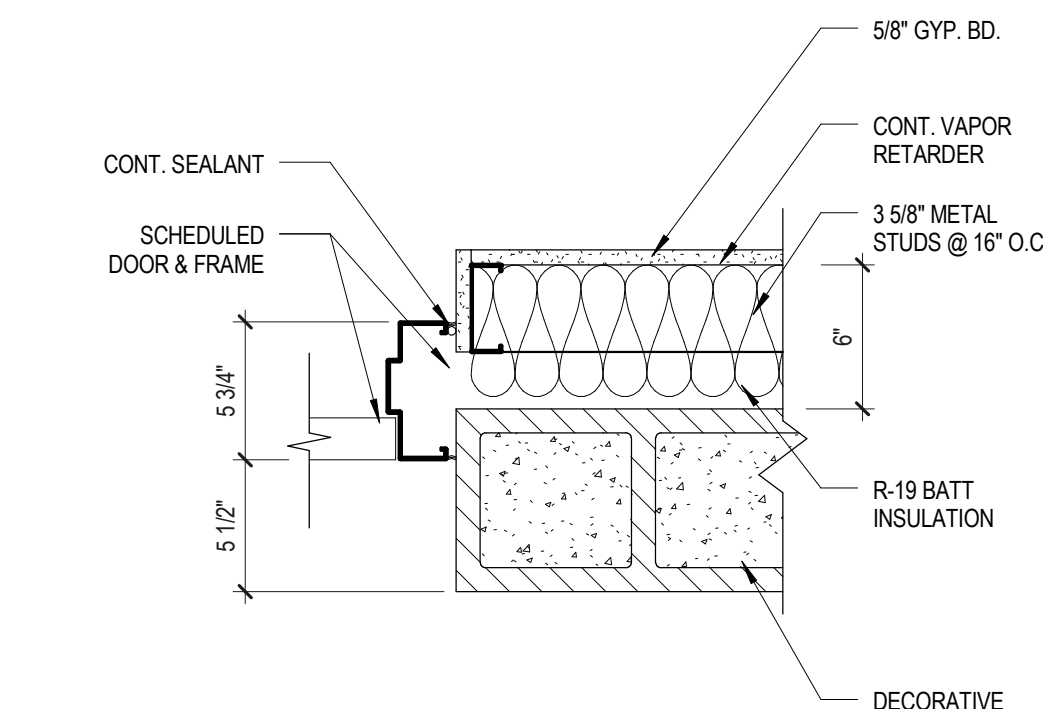
D2 WINDOW HEAD
AE591 SCALE 1 1/2" = 1'-0"



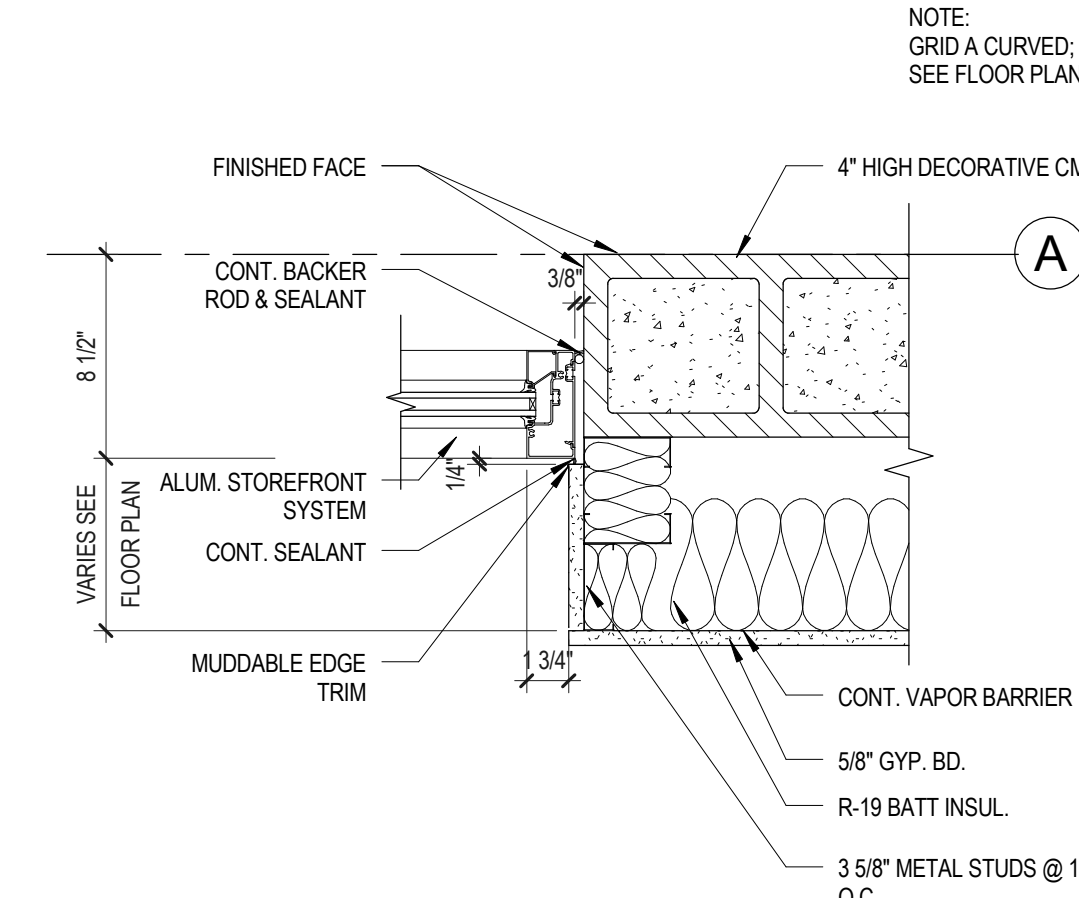
D1 WINDOW HEAD
AE591 SCALE 1 1/2" = 1'-0"



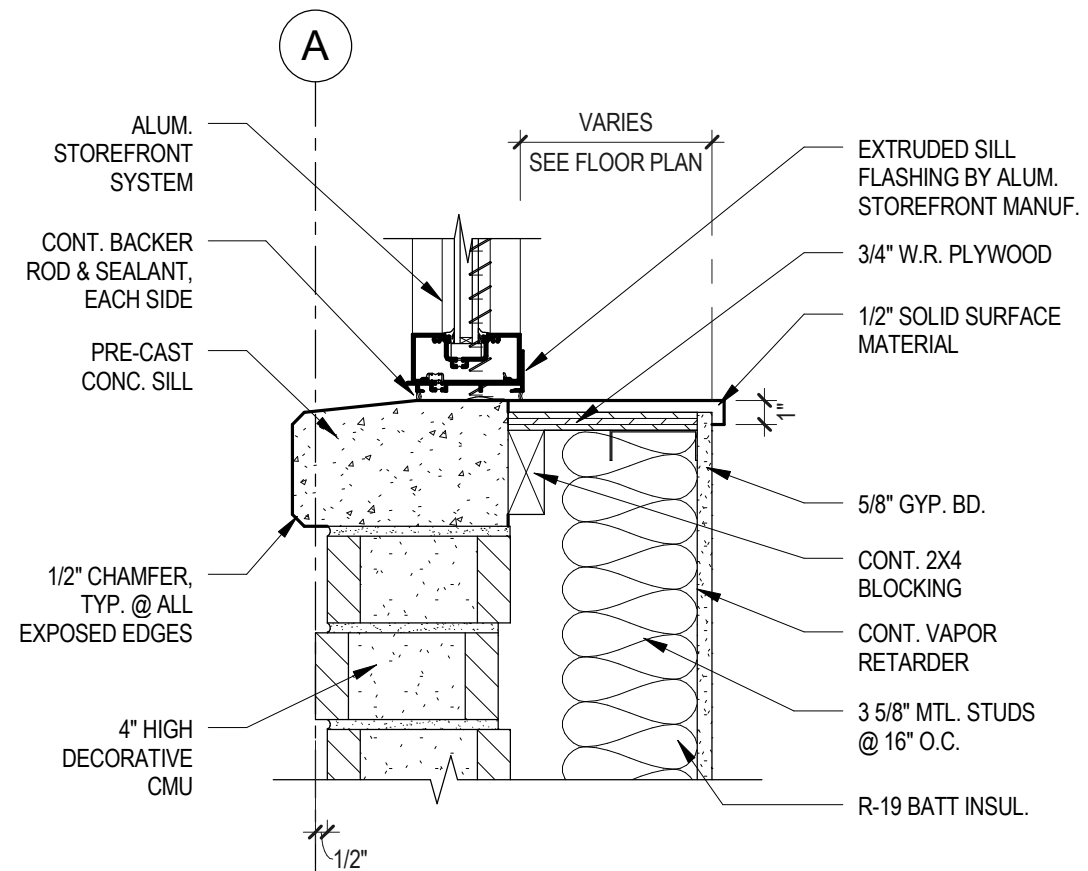
C5 STOREFRONT JAMB DETAIL
AE591 SCALE 1 1/2" = 1'-0"



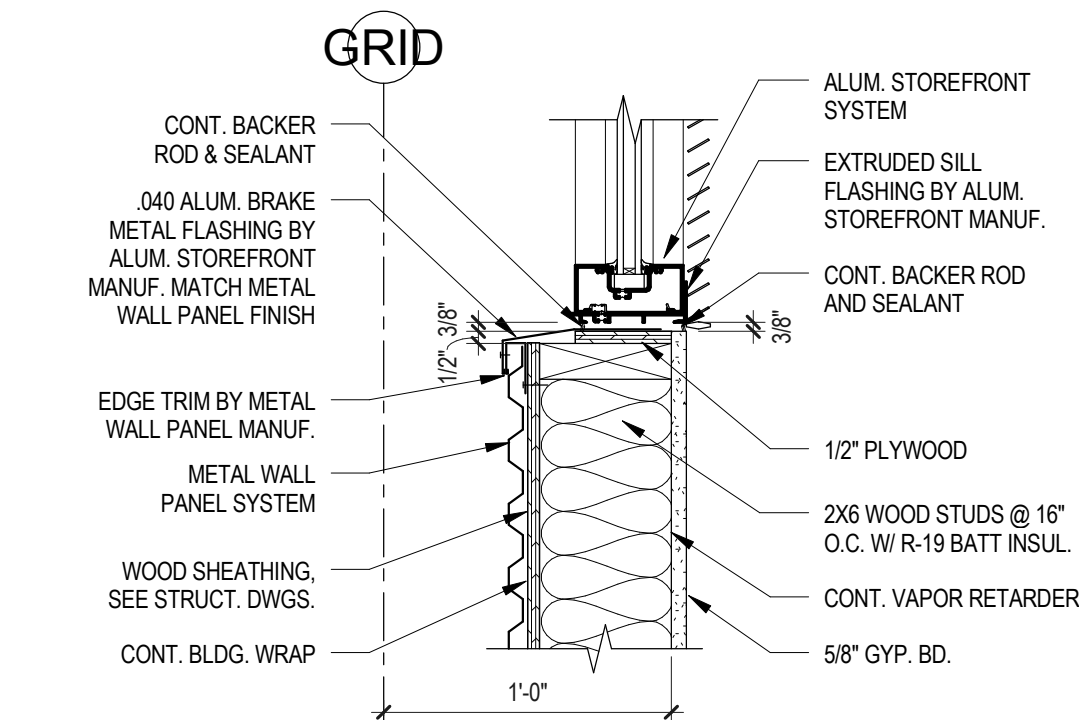
C4 HM FRAME JAMB DETAIL(HEAD SIM.)
AE591 SCALE 1 1/2" = 1'-0"



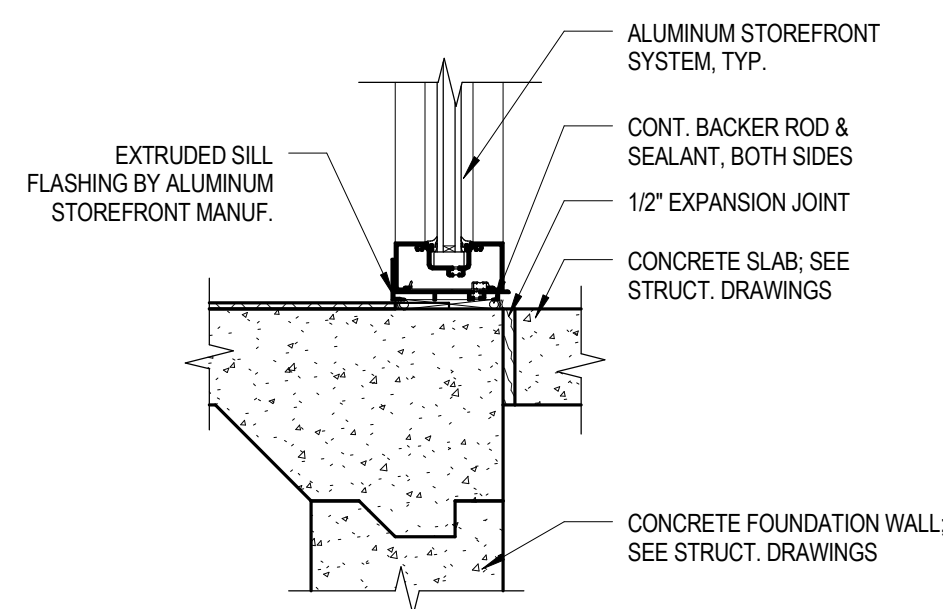
C3 STOREFRONT JAMB DETAIL
AE591 SCALE 1 1/2" = 1'-0"



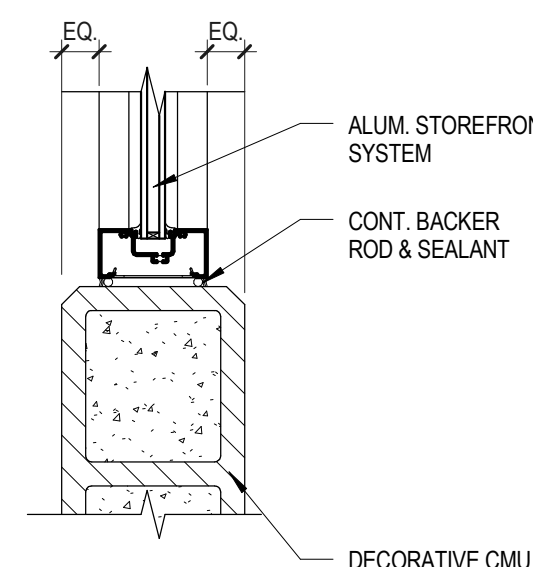
C2 WINDOW SILL
AE591 SCALE 1 1/2" = 1'-0"



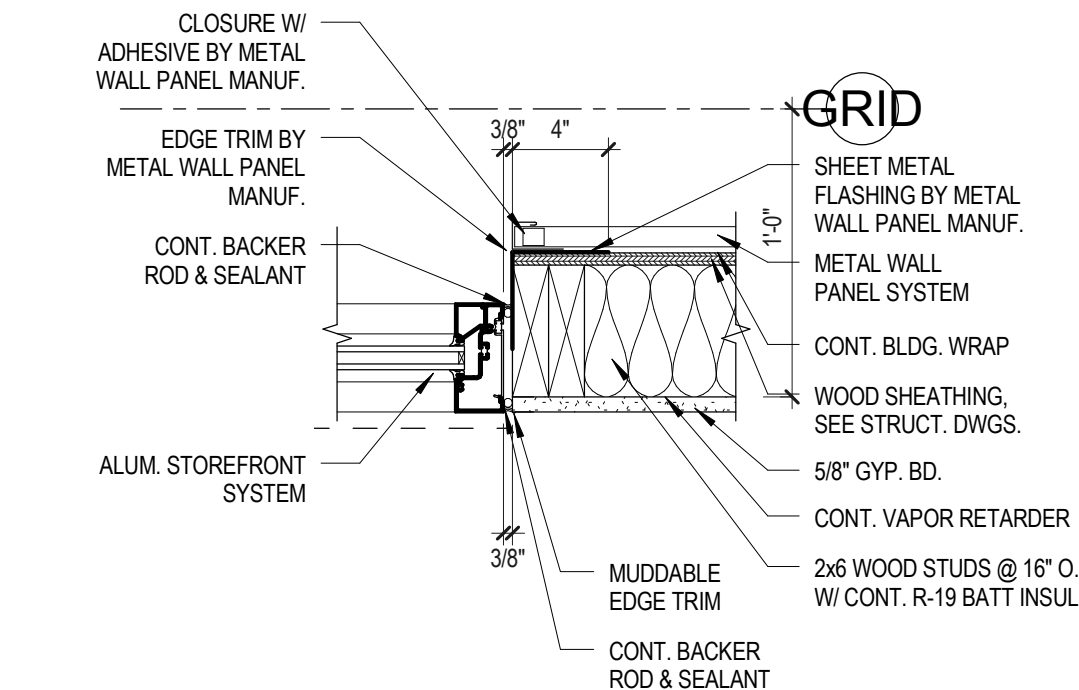
C1 WINDOW SILL
AE591 SCALE 1 1/2" = 1'-0"



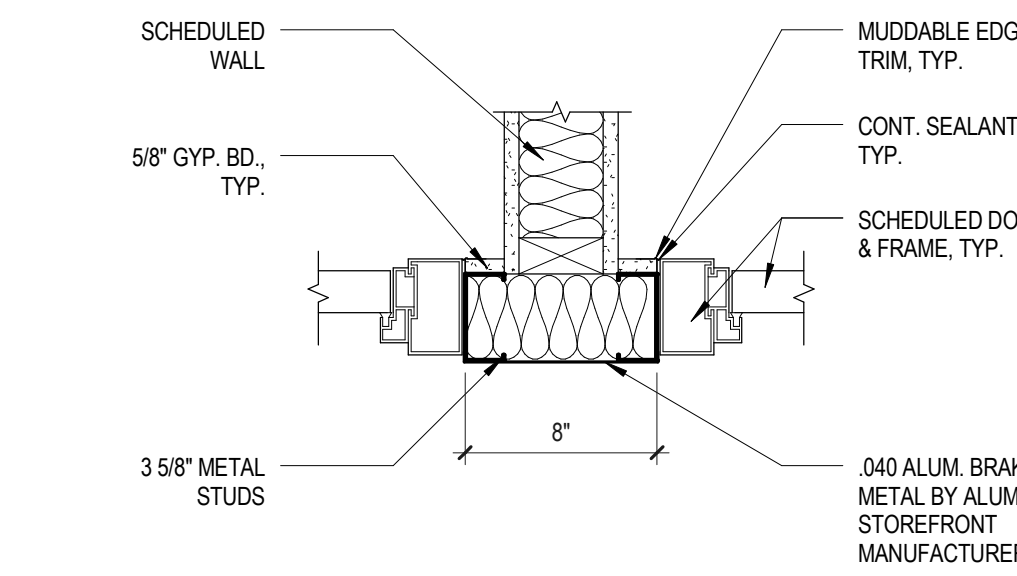
B5 STOREFRONT SILL @ FLOOR
AE591 SCALE 1 1/2" = 1'-0"



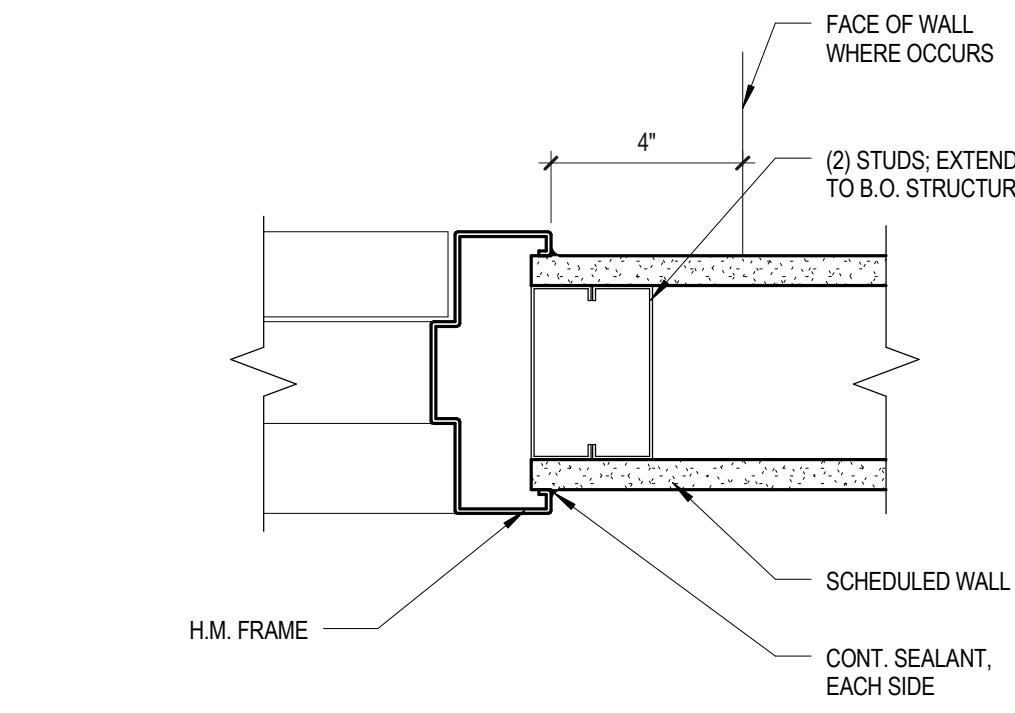
B4 INTERIOR STOREFRONT SILL DETAIL(HEAD & JAMB SIM.)
AE591 SCALE 1 1/2" = 1'-0"



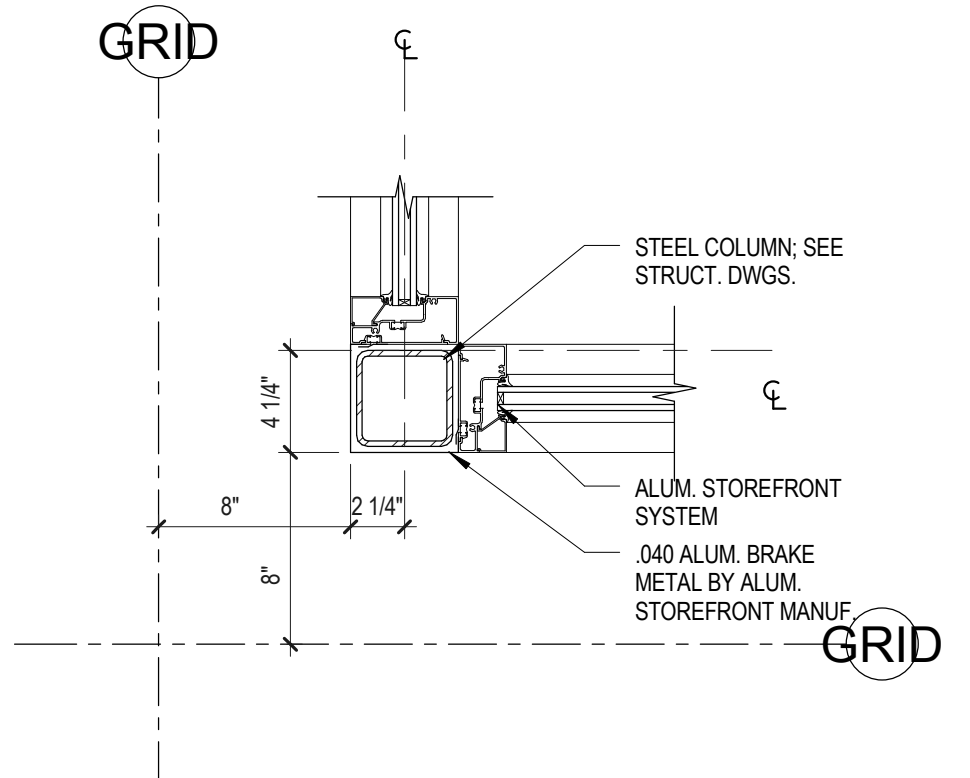
B3 STOREFRONT JAMB DETAIL
AE591 SCALE 1 1/2" = 1'-0"



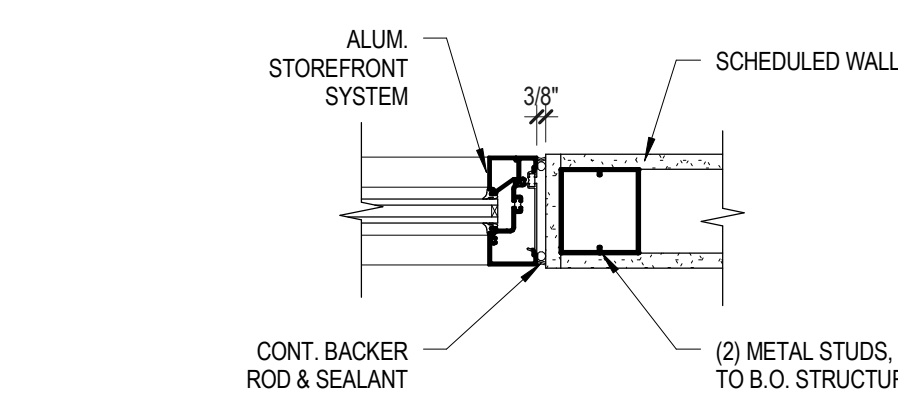
B2 INTERIOR STOREFRONT JAMB DETAIL
AE591 SCALE 1 1/2" = 1'-0"



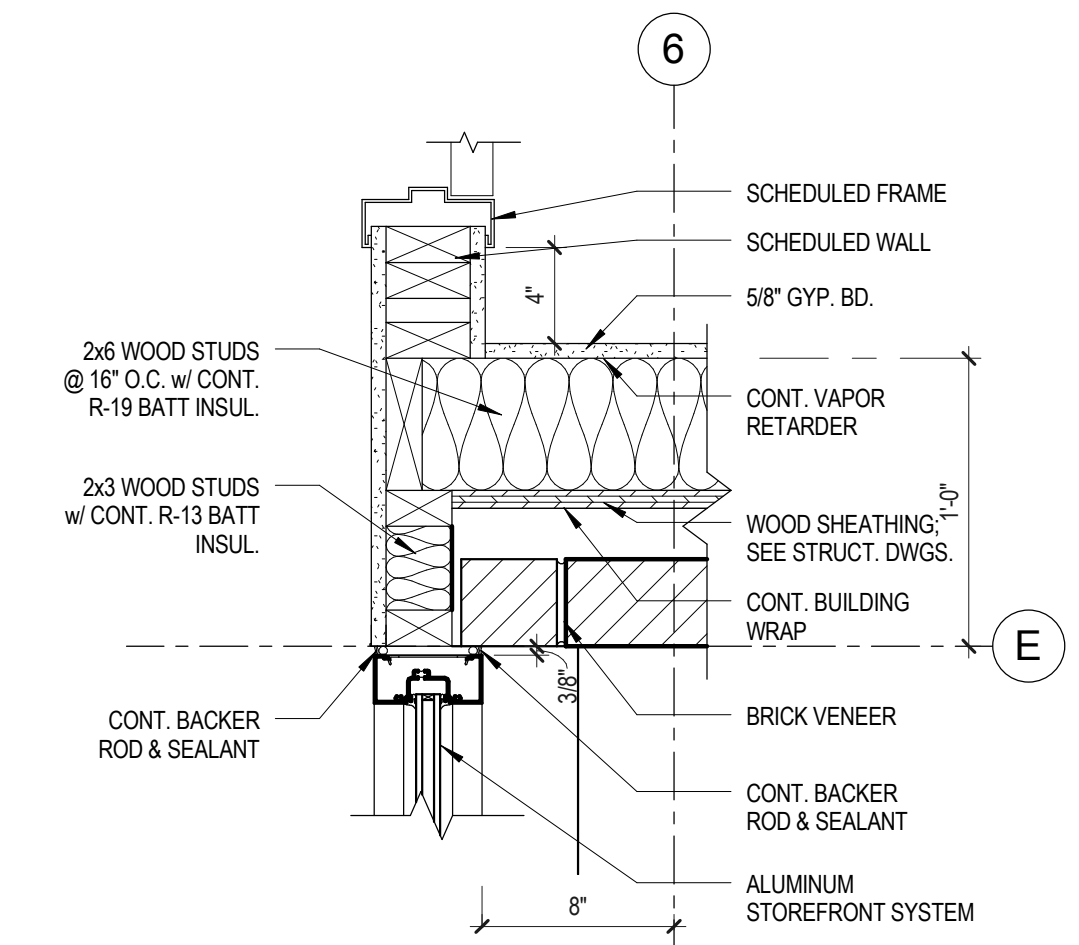
B1 INTERIOR H.M. DOOR JAMB
AE591 SCALE 3" = 1'-0"



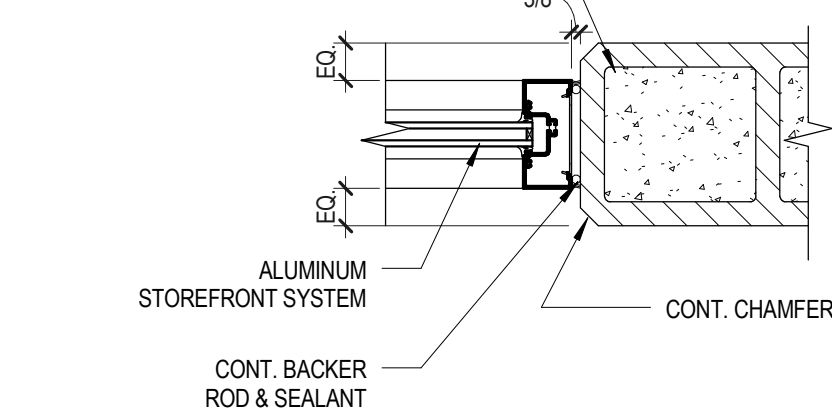
A5 STOREFRONT JAMB DETAIL
AE591 SCALE 1 1/2" = 1'-0"



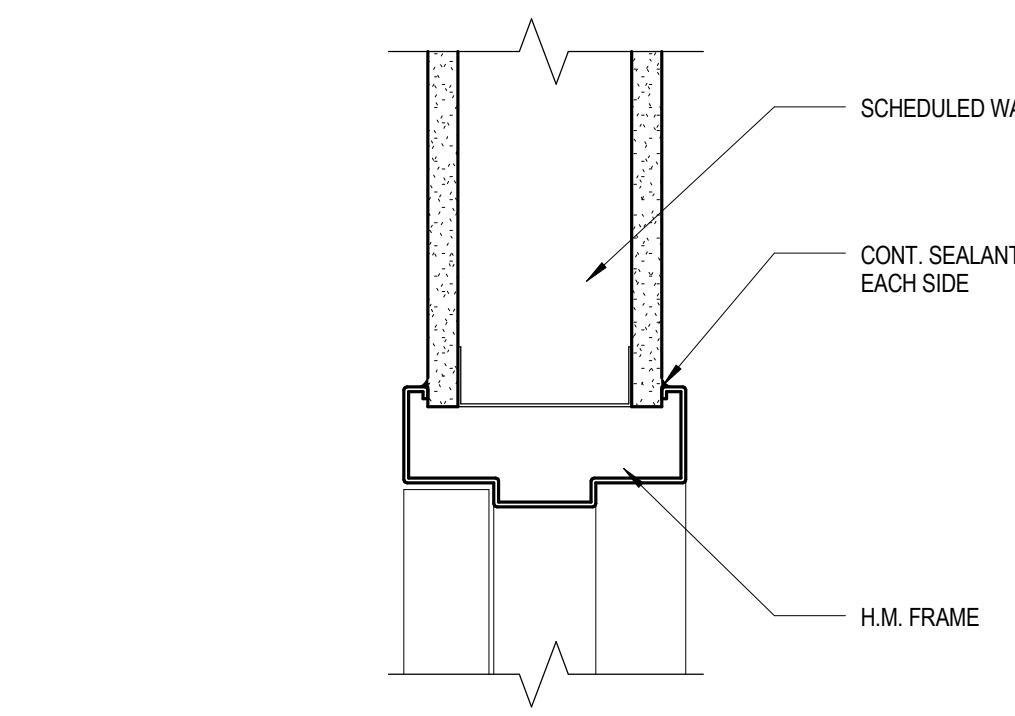
A4 INTERIOR STOREFRONT JAMB DETAIL(HEAD & SILL SIM.)
AE591 SCALE 1 1/2" = 1'-0"



A3 STOREFRONT JAMB DETAIL
AE591 SCALE 1 1/2" = 1'-0"



A2 INTERIOR STOREFRONT JAMB (HEAD SIM.)
AE591 SCALE 1 1/2" = 1'-0"



A1 INTERIOR H.M. DOOR HEAD
AE591 SCALE 3" = 1'-0"

CONSTRUCTION DOCUMENTS

DLD - OGDEN

SOUTH OGDEN, UTAH



ARCHITECTS
577 South 200 East
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DATE/REVISION	PROJECT #
11-24-2010	10019

DOOR & WINDOW
DETAILS

AE591

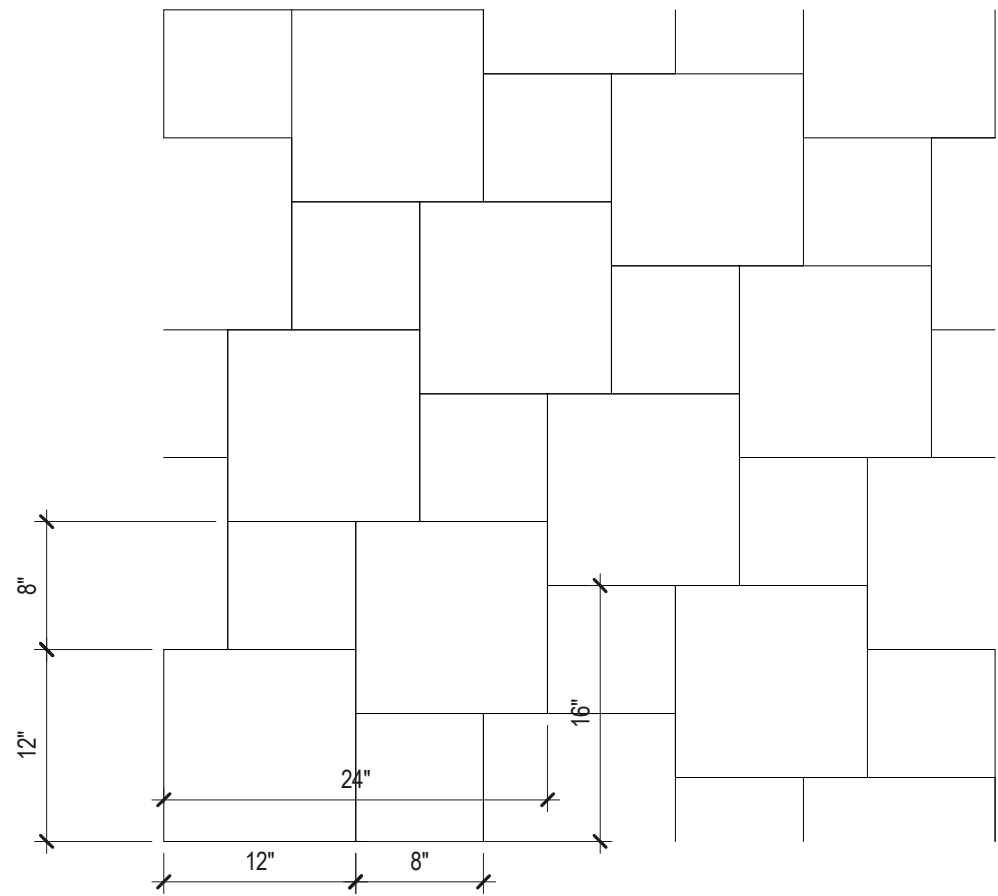
ROOM FINISH SCHEDULE								
ROOM NO.	ROOM NAME	FLOOR	BASE	WALL				NOTES
				N	E	S	W	
101	VESTIBULE	F6	B4	W1	W1	W1	W1	1
102	LOBBY	F6	B1	W1	W1	W1	W1	
103	MENS RESTROOM	F3	B3	W2	W2	W2	W2	
104	JANITOR	F4	B2	W1	W1	W1	W1	
105	WOMENS RESTROOM	F3	B3	W2	W2	W2	W2	
106	MECHANICAL ROOM	F4	B2	W1	W1	W1	W1	
107	ELECTRICAL ROOM	F2	B2	W1	W1	W1	W1	
108	COMMUNICATIONS	F2	B2	W1	W1	W1	W1	
109	STAFF RESTROOM	F3	B3	W2	W2	W2	W2	
110	HALL	F1	B2	W1	W1	W1	W1	
111	BREAKROOM	F6	B1	W1	W1	W1	W1	
112	TRAINING ROOM	F1	B2	W1	W1	W1	W1	
113	STORAGE	F1	B2	W1	W1	W1	W1	
114	STORAGE	F1	B2	W1	W1	W1	W1	
115	JANITOR	F4	B2	W1	W1	W1	W1	
116	STAFF RESTROOM	F3	B3	W2	W2	W2	W2	
117	TESTING	F5	B1	W1	W1	W1	W1	1
118	QUEUING	F5	B1	W1	W1	W1	W1	1
119	SERVICE AREA	F5	B1	W1	W1	W1	W3	1
120	SKILLS TEST	F1	B2	W1	W3	W1	W1	1
121	AREA MANAGER	F1	B2	W1	W3	W1	W1	1
122	ACCOUNTING	F1	B2	W1	W3	W1	W1	1
123	OFFICE SPECIALIST	F1	B2	W1	W3	W1	W1	1
124	ASSISTANT SUPERVISOR	F1	B2	W1	W3	W1	W1	1
125	COPY/WORK ROOM	F1	B2	W1	W3	W1	W1	1
126	SUPERVISOR	F1	B2	W1	W1	W1/W3	W1/W3	1
127	HEARING	F1	B2	W1	W1	W3	W1	1
128	HEARING	F1	B2	W1	W1	W3	W1	1
129	FIRE MARSHAL	F1	B2	W1	W1	W3	W1	1
130	HALL	F1	B2	W3	W1	W1	W3	1

1. EXPOSED MASONRY WALLS DO NOT RECEIVE PAINT

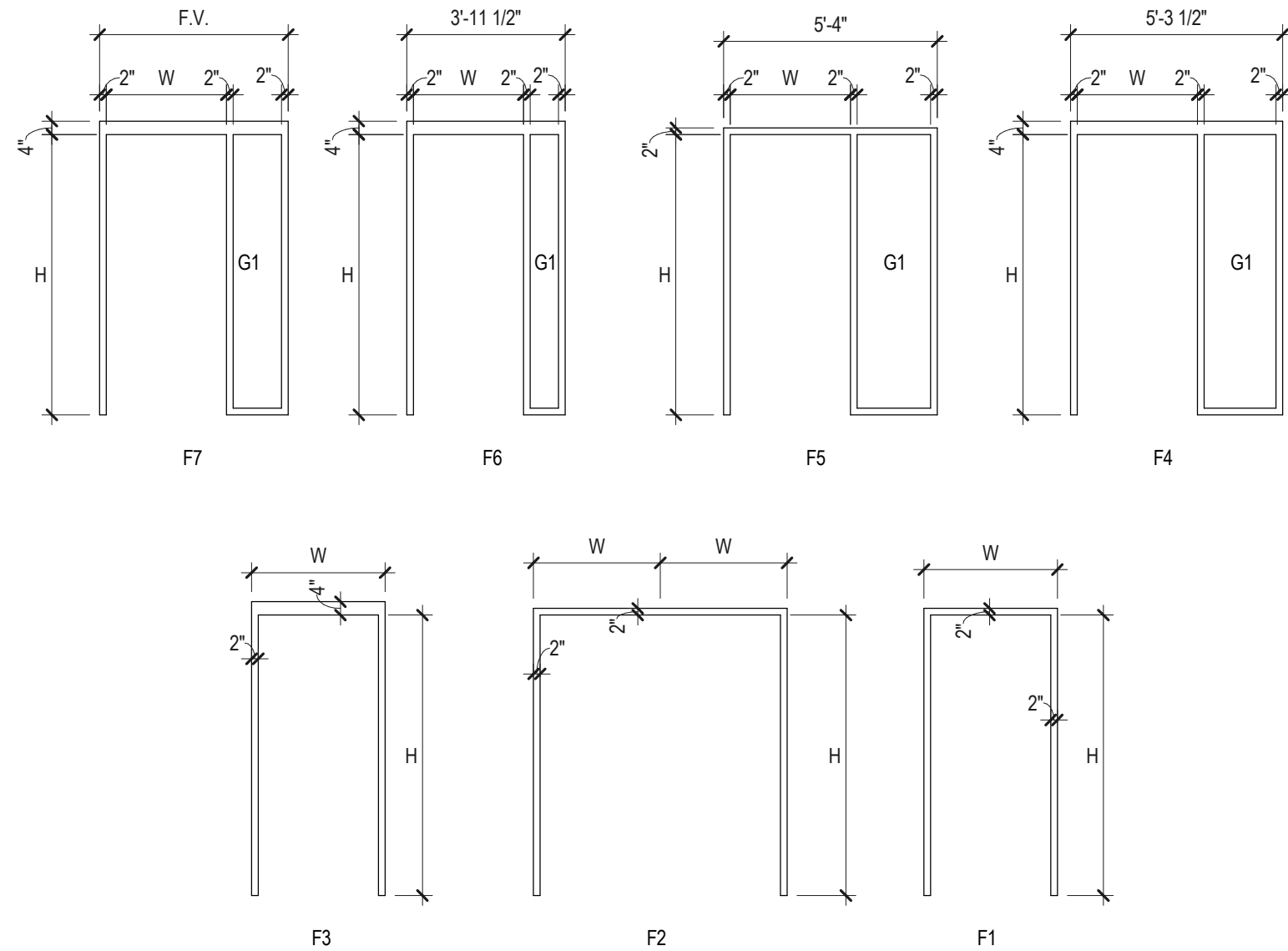
DOOR AND FRAME SCHEDULE													
DOOR	SIZE			DOOR				FRAME				ASSEMBLY FIRE RATING	NOTES
	WIDTH	HEIGHT	TYPE	MATL	FINISH	GLAZING	TYPE	MATL	FINISH	DETAILS (AE591) HEAD	JAMB		
101A	(2)3'-0"	8'-0"	D2	AL	--	G3	--	AL	--	--	--	--	1
101B	(2)3'-0"	8'-0"	D2	AL	--	G1	--	AL	--	--	--	--	1
102A	(2)3'-0"	7'-0"	D2	AL	--	G1	--	AL	--	--	--	--	1
103A	3'-0"	7'-0"	D1	WD	--	--	F1	HM	PAINT	A1	B1	--	--
104A	3'-0"	7'-0"	D1	WD	--	--	F1	HM	PAINT	A1	B1	--	--
105A	3'-0"	7'-0"	D1	WD	--	--	F1	HM	PAINT	A1	B1	--	--
106A	3'-0"	7'-0"	D1	WD	--	--	F1	HM	PAINT	A1	B1	--	--
107A	3'-0"	7'-0"	D1	WD	--	--	F1	HM	PAINT	A1	B1	--	--
108A	3'-0"	7'-0"	D1	WD	--	--	F1	HM	PAINT	A1	B1	--	--
109A	3'-0"	7'-0"	D1	WD	--	--	F1	HM	PAINT	A1	B1	--	--
110A	3'-0"	8'-0"	D2	AL	--	G3	--	AL	--	--	--	--	1
110B	3'-0"	8'-0"	D2	AL	--	G3	--	AL	--	--	--	--	1
111A	3'-0"	7'-0"	D1	WD	--	--	F5	HM	PAINT	A1	B1	--	--
112A	3'-0"	7'-0"	D1	WD	--	--	F5	HM	PAINT	A1	B1	--	--
112B	3'-0"	7'-0"	D1	WD	--	--	F5	HM	PAINT	A1	B1	--	--
113A	6'-0"	7'-0"	D1	WD	--	--	F2	HM	PAINT	A1	B1	--	--
114A	6'-0"	7'-0"	D1	WD	--	--	F2	HM	PAINT	A1	B1	--	--
115A	3'-0"	7'-0"	D1	WD	--	--	F1	HM	PAINT	--	--	--	--
116A	3'-0"	7'-0"	D1	WD	--	--	F1	HM	PAINT	A1	B1	--	--
119A	3'-0"	7'-0"	D1	HM	PAINT	--	F3	HM	PAINT	C4	C4	--	--
119B	3'-0"	7'-0"	D2	AL	--	G1	--	AL	--	--	--	--	1
119C	3'-0"	7'-0"	D1	WD	--	--	F3	HM	PAINT	C4	C4	--	--
119D	3'-0"	7'-0"	D1	HM	PAINT	--	F3	HM	PAINT	C4	C4	--	--
119E	3'-0"	7'-0"	D1	WD	--	--	F1	HM	PAINT	A1	B1	--	--
119F	3'-0"	7'-0"	D1	WD	--	--	F1	HM	PAINT	A1	B1	--	--
120A	3'-0"	7'-0"	D1	WD	--	--	F4	HM	PAINT	A2	A2	--	--
120B	3'-0"	8'-0"	D2	AL	--	G3	--	AL	--	--	--	--	1
121A	3'-0"	7'-0"	D1	WD	--	--	F4	HM	PAINT	A2	A2	--	--
122A	3'-0"	7'-0"	D1	WD	--	--	F4	HM	PAINT	A2	A2	--	--
123A	3'-0"	7'-0"	D1	WD	--	--	F4	HM	PAINT	A2	A2	--	--
124A	3'-0"	7'-0"	D1	WD	--	--	F4	HM	PAINT	A2	A2	--	--
125A	3'-0"	7'-0"	D1	WD	--	--	F6	HM	PAINT	A2	A2	--	--
126A	3'-0"	7'-0"	D1	WD	--	--	F7	HM	PAINT	A1	C3/AE521	--	--
127A	3'-0"	7'-0"	D1	WD	--	--	F4	HM	PAINT	A2	A2	--	--
128A	3'-0"	7'-0"	D1	WD	--	--	F4	HM	PAINT	A2	A2	--	--
129A	3'-0"	7'-0"	D1	WD	--	--	F4	HM	PAINT	A2	A2	--	--
130A	3'-0"	7'-0"	D1	WD	--	--	F1	HM	PAINT	A1	B1	--	--
130B	3'-0"	7'-0"	D1	WD	--	--	--	AL	--	--	--	--	1

NOTES:

1. ALUMINUM STOREFRONT SYSTEM

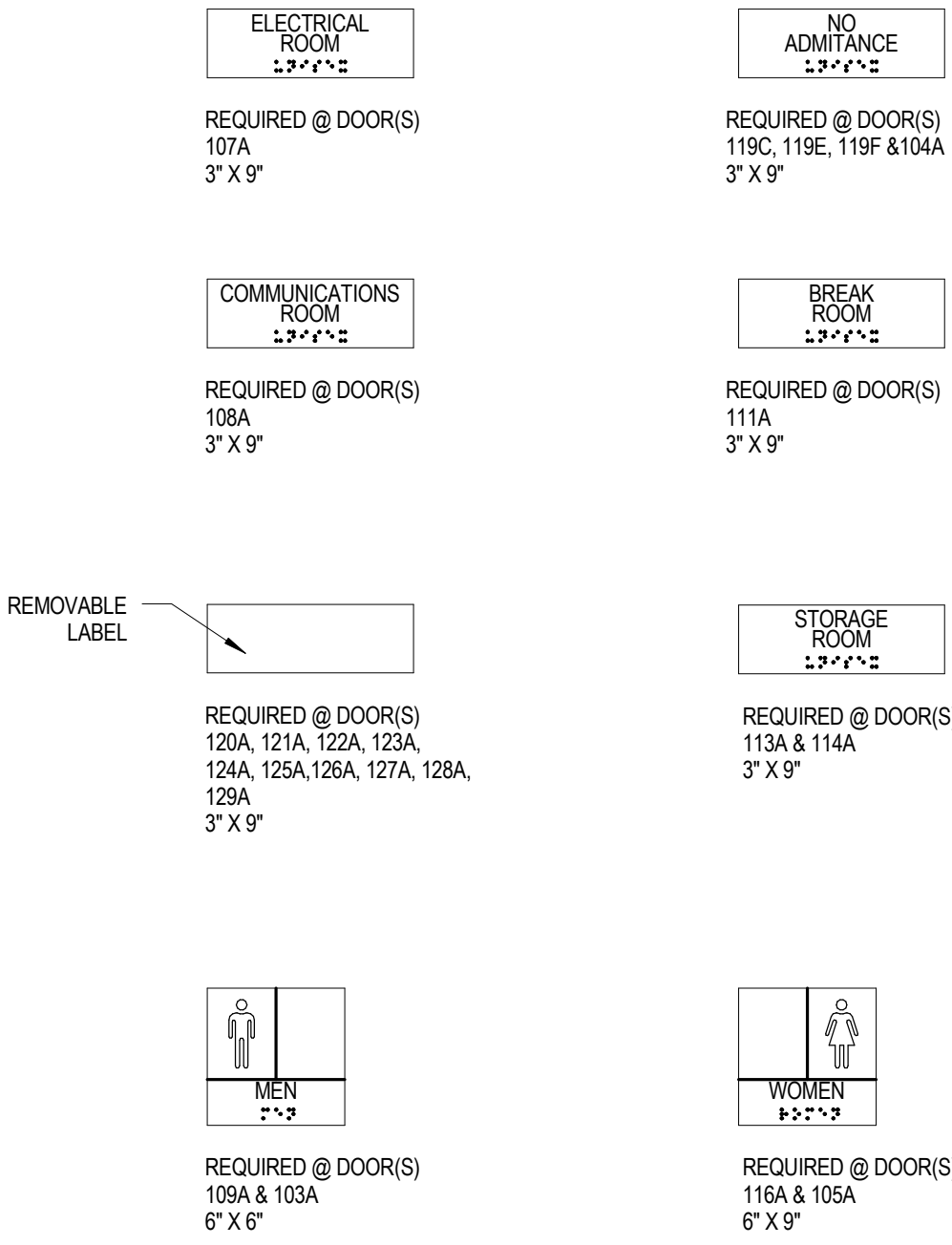


B1
AE601
PINWHEEL TILE PATTERN
SCALE 1" = 1'-0"



DOOR TYPES

FRAME TYPES



A4
AE601
SIGN SCHEDULE
SCALE 1 1/2" = 1'-0"

GENERAL NOTES:

- H.M. DOORS & FRAMES TO BE PAINTED DIFFERENT COLOR THAN WALLS
- DO NOT PAINT INTERIOR EXPOSED MASONRY WALLS

GLAZING SCHEDULE

G1	1/4" CLEAR - TEMPERED
G2	1/4" CLEAR
G3	1" INSULATED - TEMPERED
G4	1" INSULATED
G5	1" INSULATED SPANDREL GLASS - TEMPERED

ROOM FINISH SCHEDULE LEGEND:

FLOOR FINISH	
F1	CARPET TILE
F2	VCT
F3	2" X 2" CERAMIC MOSAIC; SEAL GROUT
F4	SEALED CONCRETE
F5	12" X 12" & 8" X 8" PORCELAIN TILE; SEE B1/AE601 FOR PATTERN SEAL GROUT
F6	12" X 12" PORCELAIN TILE; SEAL GROUT

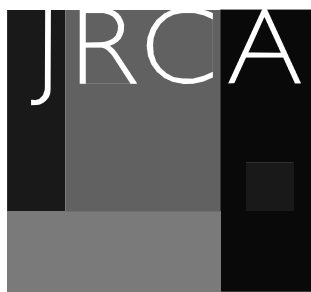
BASE FINISH	
B1	6" X 8" COVED PORCELAIN TILE BASE
B2	4" RUBBER BASE
B3	4" X 4" COVED WALL TILE BASE
B4	NO BASE

WALL FINISH	
W1	PAINTED SURFACE
W2	6" X 6" CERAMIC WALL TILE; FULL HEIGHT OF WALL
W3	EXPOSED MASONRY; DO NOT PAINT

CONSTRUCTION DOCUMENTS

DLD - OGDEN

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(801) 533-2100 fax: 533-2101 jrcadesign.com

DATE/REVISION 11-24-2010	PROJECT # 10019
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DOOR & FRAME
TYPES /
SCHEDULES

AE601

GENERAL STRUCTURAL NOTES

GENERAL

- The structural notes are intended to complement the project specifications. Specific notes and details in the drawings shall govern over the structural notes and typical details.
- Typical details and sections shall apply where specific details are not shown.
- The contractor shall verify all site conditions and dimensions. If actual conditions differ from those shown in the contract drawings, the contractor shall immediately notify the architect/engineer before proceeding with the fabrication or construction of any affected elements.
- Omissions or conflicts between the contract drawings and/or specifications shall be brought to the attention of the architect/engineer before proceeding with any work involved. In case of conflict, follow the most stringent requirement as directed by the architect/engineer at no additional cost to the owner.
- The contractor shall submit a written request to the architect/engineer before proceeding with any changes, substitutions or modifications. Any work done by the contractor before receiving written approval will be at the contractor's risk.
- The contractor shall coordinate with all trades any items that are to be integrated into the structural system such as openings, penetrations, mechanical and electrical equipment, etc. Sizes and locations of mechanical and other equipment that differs from those shown on the contract drawings shall be reported to the architect/engineer.
- The contractor shall provide adequate shoring and bracing as required for his method of erection. Shoring and bracing shall remain in place until final connections for the permanent members are completed. The building shall not be considered stable until all connections are completed. Walls shall not be considered self-supporting and shall be braced until the roof system is completed.
- The contractor shall not cut or core any holes in masonry or concrete walls without prior review by the architect/engineer.
- Site observations by BHB Consulting Engineers, P.C.'s field representative shall not be construed as approval of construction procedures nor special inspection.
- Detailing and shop drawing production for structural elements will require information (including dimensions) contained in the architectural, structural and/or other consultants' drawings. The structural drawings shall be used in conjunction with the architectural and other consultants' drawings. Some dimensions and elements such as elevations, depressions, slopes, mechanical housekeeping pads, etc. are not shown in the structural drawings. All dimensions shown on structural drawings shall be verified by contractor with architectural, mechanical and electrical drawings.
- Review of shop drawing submittals by BHB Consulting Engineers, P.C. is for general compliance only and is not intended for approval. The shop drawing review shall not relieve the contractor from the responsibility of completing the project according to the contract documents.
- Shop drawings made from reproductions of the contract drawings will be rejected unless the contractor signs a release agreement prior to the shop drawings being reviewed.
- Only an authorized representative of BHB Consulting Engineers, P.C. may make changes to these contract drawings. BHB Consulting Engineers, P.C. shall not be held responsible or liable for any claims arising directly or indirectly from changes made without written authorization by an authorized representative of BHB Consulting Engineers, P.C.

BASIS OF DESIGN

- Governing Building Code: International Building Code 2009
- Roof Snow Load
a. Ground Snow Load: $P_g = 46 \text{ psf}$
b. Snow Importance Factor: $I_s = 1.0$
c. Snow Exposure Coefficient: $C_e = 1.0$
d. Thermal Exposure Coefficient: $C_t = 1.0$
e. Roof Snow Load: $P_s = 0.7C_g \cdot C_e \cdot I_s \cdot P_g = 32 \text{ psf plus Snow Drift}$
- Seismic Loads
a. Occupancy Category: II
b. Seismic Importance Factor, I_s : 1.0
c. Seismic Design Category: D
d. Mapped Spectral Acceleration: $S_s = 1.35g$
e. Soil Site Class: $S_1 = 0.658g$
f. Soil Site Coefficients: $F_a = 1.5$
g. 5% Damped Design Spectral Response Acceleration: $S_{DS} = 2/3 \cdot F_a \cdot S_s = 90g$
h. Basic Seismic Force-Resisting System: Special Reinforced Masonry Walls and Light Framed Walls with Wood Sheathing
i. Response Modification Coefficient: 2.0
j. System Over-strength Factor: 3.5
k. Deflection Amplification Factor: 1.0
l. Fundamental Building Period: $T = 0.99 \text{ seconds}$
m. Seismic Response Coefficient: $C_s = (S_{DS} \cdot I_s) / R$
n. Dead Loads of Structure: $W = C_s \cdot W = 0.18W$ (Structural Design)
o. Base Shear: $V = C_s \cdot W = 0.18W$ (Structural Design)
p. Analysis Procedure: Equivalent Lateral Force (Static)
- Wind Loads
a. Wind Velocity (3 Second Gust): 90 mph
b. Exposure Type: C
c. Wind Importance Factor, I_w : 1.00
d. Internal Pressure Coefficient, C_{pi} : +0.18
e. Topographic Factor, K_z : 1.0
f. Components and Cladding Wind Force Table (psf)

Component	10 sq ft	20 sq ft	50 sq ft	100 sq ft	500 sq ft
above grade	23.60	22.02	19.97	18.27	16.64
below grade	25.16	23.48	21.29	19.48	17.61

FOUNDATION

- Soils Report by Professional Services Industries, Inc. Dated September 22, 2010.
- Soil Bearing Pressure: 2500 psf
- Frost Protection: 30 inches minimum to bottom of footing. Contractor shall field verify that the footing elevations and final grades indicated on the plans will provide the minimum frost protection. The contractor shall notify the architect/engineer if there are any locations where the minimum frost protection might not be achieved prior to placing concrete.
- Lateral Soil Pressure Fluid Equivalent Design
a. Active: 35 psf (retaining walls)
b. At Rest: 50 psf (rigid foundation walls)
c. Passive: 300 psf
d. Coefficient of Friction: 0.4

EARTHWORK

- Soil shall be consolidated using rammed aggregate rock columns. Consolidated soils shall extend 7'-0" beyond the extent of the building.
- Consult the project specifications and soils report for further earthwork requirements.

CONCRETE

- Materials, unless noted otherwise:
a. Normal weight aggregates
b. Reinforcing Steel: ASTM C 33
ASTM A615 Grade 60 ($F_y = 60 \text{ ksi}$)
Use Grade 40 ($F_y = 40 \text{ ksi}$) for tie bent dowels with spacings indicated reduced by 1/3.
c. Deformed Bar Anchors (DBA): ASTM A606
d. Anchor Rods: ASTM A108
ASTM F1554, Grade 36, with ASTM A563 heavy hex nuts and hardened washers Grade A
- Admixtures:
i. All air-entraining admixtures comply with ASTM C 260 (when used).
j. Calcium chloride shall not be added to the concrete.
k. Type III cement complying with ASTM C-150 shall be used for all concrete.
l. Blended cement type III complying with ASTM C1157
Fly Ash - ASTM C618, Class F, 20% maximum cementitious content
m. The water/cement ratios shall meet the requirements of Table 4.3.1 of ACI 318.
n. Provide air entraining as recommended by Table 4.4.1 of ACI 318.
o. No aluminum content or product containing aluminum or any other material injurious to concrete shall be embedded in concrete.
- Compressive strengths of concrete at 28 days shall be as follows:
a. Footings: Strength: 4,500 psi
Classification: F2, SO, PO, CO
b. Foundation Walls: Strength: 4,500 psi
Classification: F2, SO, P1, C1
c. Interior Slabs on Grade: Strength: 3,000 psi
Classification: FO, SO, PO, CO
d. All Site Concrete: Strength: 5,000 psi
Classification: F3, SO, P1, C2

MASONRY VENEER

- Masonry veneer shall be attached to wood stud walls with Dur-O-Wall DIA 213 seismic veneer anchors or Hohmann & Barnard DW-10 or DW-10HS seismic veneer anchors (or equal) spaced at 16" o.c. Veneer anchors shall be attached to studs with #10 corrosion resistant self-drilling screws. Attach the veneer to the anchors with Dur-O-Wall Seismic Steel Purlins or Hohmann & Barnard 316's or Byna-Tie with Setm clips (or equal) spaced at a maximum of 16" o.c. in both directions. Anchor fastenings to a galvanized No. 9 gauge horizontal joint reinforcement wire in the veneer, which shall be continuous and shall be placed at 16" o.c. maximum at the corner of the veneer.
- Other methods of attachment may be used after written acceptance by the architect and structural engineer.
- Steel Lintels: Provide steel angle lintels at all openings through the masonry veneer. Provide one inch of bearing for each foot of width of opening, with a minimum bearing of six inches. See the "Steel Angle Lintel Schedule" on sheet S-602 for size.
- Steel lintel angles shall be galvanized at all exterior conditions where exposed to weather.

STRUCTURAL STEEL

- Material:
a. Wide Flanges Section: ASTM A992 (50 ksi)
b. Other shapes & Plates: ASTM A36 (36 ksi)
c. Standard (Schedule 40) Pipe: ASTM A53 (35 ksi) Grade B
d. Square or Rectangular HSS: ASTM A500 (46 ksi) Grade B
e. Deformed Bar Anchors (DBA): ASTM A606
f. Headed Stud Anchors (HSA): ASTM A108
g. Anchor Rods: ASTM F1554, Grade 36, with ASTM A563 heavy hex nuts and ASTM F436 hardened washers Grade A
h. Bolted Connections: ASTM A325 with ASTM A563 nuts and ASTM F436 hardened washers
- Fabrication and construction shall comply with the latest edition of the following Codes and Standards:
a. American Institute of Steel Construction (AISC) "Specification for the Design, Fabrication and Erection of Structural Steel for Buildings," with "Commentary".
b. AISC "Code of Standard Practice" excluding the following Section 3.4, Section 4.4, Section 4.4.1.
c. AISC "Specification for Structural Steel Using ASTM A325 or A490 Bolts".
d. American Welding Society (AWS) "Specification for Structural Steel Welding Code" Items do not apply when they conflict with the AISC requirements.
e. AISC "Seismic Provision for Structural Steel Buildings".
- Welding:
a. All welding and cutting shall be performed by AWS certified welders.
b. Use E70 XX or as noted otherwise. E80 XX may be used for welding steel floor and roof decks.
c. All intersecting steel shapes which are not bolted shall be connected by a fillet weld all around, unless noted otherwise. Where fillet weld sizes are not shown they shall be 1/8" less than the thinnest of the parts being spliced. Mechanical splices shall be the positive connecting type coupled and shall meet all International Building Code requirements. Use "Cadweld", "Lertont", "Standard Couplers", "Bia-Lock" or equal with internal protection. If mechanical splices are used, splices or couplers of bars shall be staggered a minimum of 24" apart along the longitudinal axis of the reinforcing bars.
d. All joints provide reinforcing dowels to match the member reinforcing, unless noted otherwise. At all discontinuous slab on grade joints, provide 2 - #6 x 48 inch. Provide corner bars at intersecting wall corners using the same bar size and spacing as the horizontal wall reinforcing.
e. All vertical reinforcing shall be dowelled to footings, or to the structure below with the same size and spacing as the vertical reinforcing for the element above. Dowels extending into footings shall terminate with a 90 degree standard hook and shall extend to within 4" of the bottom of the footing. Footing dowels (#6 bars and smaller) with hooks need not extend more than 20" into footings.
f. Horizontal wall reinforcing shall terminate at ends of walls and openings into the far end of the jamb column with a 90-degree standard hook and a 6 bar diameter extension. Horizontal wall reinforcing shall be continuous through construction and control joints.
- Bolted Connections:
a. Use ASTM A325 bolts for steel to steel connections, as noted herein or as noted on the drawings. A325 bolts shall be used in connections for simple span framing and beam (or girder) to bearing plate connections. Tighten bolts to a snug tight condition.
b. Use hardened washers beneath the turned element of all bolts or nuts. Use hardened beveled washers, to compensate for the lack of parallelism, where the outer face of the bolted parts has a slope greater than one in twenty with respect to the plane normal to the bolt axis. At oversized holes hardened washers or plates shall conform with ASTM F-436 and shall completely fill the hole after installation.
c. Where a steel to steel beam connection is not shown, provide a standard AISC framed connection for one half the total uniform load capacity of the beam for the span and steel specified.
d. Bolts, nuts and washers shall not be reused.
e. Provide steel angle lintels at all openings through masonry veneer. See the "Veneer Lintel Schedule" on sheet S- 602 for size. Steel lintel angles shall be galvanized at all exterior conditions where exposed to weather.
f. Provide full-depth web-stiffener plates at each side of all beams at all bearing points. Stiffener plates shall be the thickness called out below unless noted otherwise and shall be welded both sides with fillet welds.
- FLANGE WIDTH STIFFENER THICKNESS WELD SIZE
Less than 8 1/4" 1/4" 3/16"
8 1/4" to 12 1/4" 3/8" 1/4"
12 1/4" to 16 1/2" 1/2" 5/16"
16 1/2" to 20 1/4" 5/8" 3/8"

OPEN WEB STEEL JOISTS

- All open web steel joist shall be fabricated and erected in accordance with the latest edition of Steel Joist Institute (SJI), "Standard Specifications and Code of Standard Practice".
a. At the completion of fabrication, the steel joist manufacturer shall submit to the building official a certificate of compliance in accordance with IBC Section 1704.2.2 stating if the work was performed in accordance with approved construction documents and with SJI standard specifications.
b. Joists with slopes greater than 1/2 inch per foot shall be designed to meet or exceed the load capacities, listed in the SJI load tables, of the joist sizes indicated on the framing plan, as if the joists or girders were installed level.
c. Provide special bearing ends to accommodate slopes from sloped joists, or sloped bearing conditions.
d. Open web joist deflection shall be limited to L/240 for total loads and L/360 for live load, unless noted otherwise.
e. Joist bridging shown on plans is for schematic purposes only; actual size, quantity and location of bridging shall be determined by the joist supplier per SJI. Coordinate bridging details to avoid interference with mechanical, electrical and fire protection equipment and skylights.

METAL DECKING

- Steel deck shall comply with the latest requirements of the Steel Deck Institute.
a. Deck shall be 3-span continuous minimum in areas where 3-span conditions are not possible, the contractor shall provide heavier gage deck as required to provide the equivalent loading of the deck under a three span condition.
b. Steel roof deck shall not be used to support loads from plumbing, HVAC ducts, light fixtures, architectural elements or equipment of any kind, unless specifically noted. Light weight suspended acoustical ceilings with a total weight of 50 lbs per attachment may be hung from roof deck. The hangers shall be staggered to distribute the loads over multiple deck flutes.
c. All deck supporting members shall be dry before welding.
d. Clinch seams before welding interlocking seams.

Steel Roof Deck

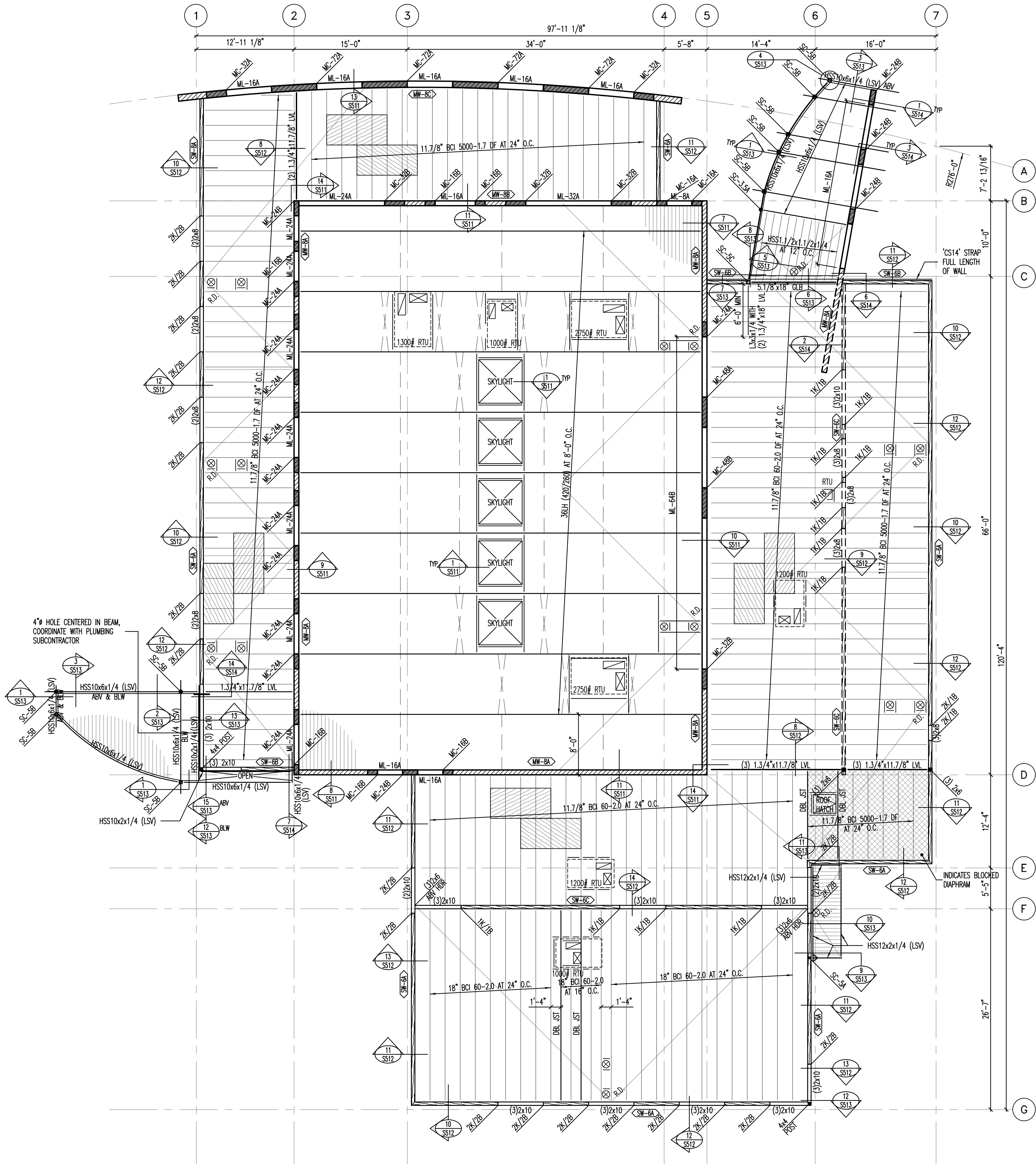
- Steel roof deck shall be 1/2" deep X 16 gage minimum painted (galvanized G90 at canopy), type "B" wide rib deck with interlocking side seams with the following properties:
Minimum $S (in^3) = 0.322$
Minimum $(I_n / in^4) = 0.296$
Minimum allowable deck shear values shall be 500 psi for a 7'-0" deck span.
c. Weld steel roof deck to supporting framing members with 3/4" diameter puddle welds at the following spacings (Closer spacing may be used to develop minimum shear requirements):
i. 6" o.c. to all supports perpendicular to deck corrugations (7 welds per 36" sheet).
ii. 6" o.c. to all supports parallel to deck corrugations.
d. Hilt or Pneutek power driven fasteners are acceptable as an alternative to welds provided the connection meets the diaphragm shear capacity given above. For Hilt call 800-878-8000 extension 6337 for connection information comparison. For Pneutek, call 800-431-8665. If Hilt or Pneutek power driven fasteners are used, the contractor shall submit Hilt's / Pneutek calculations to the Architect/Engineer for review. Also if Hilt or Pneutek power driven fasteners are used, a Hilt / Pneutek representative shall be present before the decking is installed to make sure the installer is properly trained in using the equipment. The Hilt / Pneutek representative shall also make a site visit the day after deck has been started to be installed to verify the power driven fasteners are being installed correctly.
e. Attach interlocking seams with 1 1/2" long top seam welds at 24" o.c. maximum or with Verco PunchLok System at 24" o.c. maximum, with ASAC Delta Grip System at 24" o.c. maximum or with Wheeling Gator-Seismic Shearloc at 24" o.c. maximum. Closer spacing may be used to develop minimum shear requirements. A standard bottom punch can not be used in place of Verco PunchLok, DeltaGrip or Gator-Seismic Shearloc.
f. Provide a 2-inch minimum bearing and a 4-inch lap at the splice points.

Steel Roof Deck at West Canopy

- Steel roof deck shall be 3/2" deep X 18 gage minimum galvanized G90, type "N" wide rib deck with interlocking side seams with the following properties:
Minimum $S (in^3) = 0.731$
Minimum $(I_n / in^4) = 1.223$
Minimum allowable deck shear values shall be 500 psi for a 7'-0" deck span.
e. Minimum allowable deck shear values shall be 500 psi for a 7'-0" deck span.
f. Weld steel roof deck to supporting framing members with 3/4" diameter puddle welds at the following spacings (Closer spacing may be used to develop minimum shear requirements):
i. 6" o.c. to all supports perpendicular to deck corrugations (7 welds per 36" sheet).
ii. 6" o.c. to all supports parallel to deck corrugations.
d. Hilt or Pneutek power driven fasteners are acceptable as an alternative to welds provided the connection meets the diaphragm shear capacity given above. For Hilt call 800-878-8000 extension 6337 for connection information comparison. For Pneutek, call 800-431-8665. If Hilt or Pneutek power driven fasteners are used, the contractor shall submit Hilt's / Pneutek calculations to the Architect/Engineer for review. Also if Hilt or Pneutek power driven fasteners are used, a Hilt / Pneutek representative shall be present before the decking is installed to make sure the installer is properly trained in using the equipment. The Hilt / Pneutek representative shall also make a site visit the day after deck has been started to be installed to verify the power driven fasteners are being installed correctly.
e. Attach interlocking seams with 1 1/2" long top seam welds at 24" o.c. maximum or with Verco PunchLok System at 24" o.c. maximum, with ASAC Delta Grip System at 24" o.c. maximum or with Wheeling Gator-Seismic Shearloc at 24" o.c. maximum. Closer spacing may be used to develop minimum shear requirements. A standard bottom punch can not be used in place of Verco PunchLok, DeltaGrip or Gator-Seismic Shearloc.
g. Provide a 2-inch minimum bearing and a 4-inch lap at the splice points.

WOOD

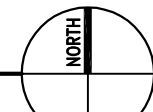
- Materials:
a. Framing Lumber shall be #2 Douglas Fir-Larch or better unless noted otherwise.
b. Wood sheathing shall be inferior grade with exterior glue, span index ratio, unless noted otherwise.
c. Nails: Standard Common with the following properties:
Nails: 16d, 18d, 20d, 22d, 24d, 26d, 28d, 30d, 32d, 34d, 36d, 38d, 40d, 42d, 44d, 46d, 48d, 50d, 52d, 54d, 56d, 58d, 60d, 62d, 64d, 66d, 68d, 70d, 72d, 74d, 76d, 78d, 80d, 82d, 84d, 86d, 88d, 90d, 92d, 94d, 96d, 98d, 100d, 102d, 104d, 106d, 108d, 110d, 112d, 114d, 116d, 118d, 120d, 122d, 124d, 126d, 128d, 130d, 132d, 134d, 136d, 138d, 140d, 142d, 144d, 146d, 148d, 150d, 152d, 154d, 156d, 158d, 160d, 162d, 164d, 166d, 168d, 170d, 172d, 174d, 176d, 178d, 180d, 182d, 184d, 186d, 188d, 190d, 192d, 194d, 196d, 198d, 200d, 202d, 204d, 206d, 208d, 210d, 212d, 214d, 216d, 218d, 220d, 222d, 224d, 226d, 228d, 230d, 232d, 234d, 236d, 238d, 240d, 242d, 244d, 246d, 248d, 250d, 252d, 254d, 256d, 258d, 260d, 262d, 264d, 266d, 268d, 270d, 272d, 274d, 276d, 278d, 280d, 282d, 284d, 286d, 288d, 290d, 292d, 294d, 296d, 298d, 300d, 302d, 304d, 306d, 308d, 310d, 312d, 314d, 316d, 318d, 320d, 322d, 324d, 326d, 328d, 330d, 332d, 334d, 336d, 338d, 340d, 342d, 344d, 346d, 348d, 350d, 352d, 354d, 356d, 358d, 360d, 362d, 364d, 366d, 368d, 370d, 372d, 374d, 376d, 378d, 380d, 382d, 384d, 386d, 388d, 390d, 392d, 394d, 396d, 398d, 400d, 402d, 404d, 406d, 408d, 410d, 412d, 414d, 416d, 418d, 420d, 422d, 424d, 426d, 428d, 430d, 432d, 434d, 436d, 438d, 440d, 442d, 444d, 446d, 448d, 450d, 452d, 454d, 456d, 458d, 460d, 462d, 464d, 466d, 468d, 470d, 472d, 474d, 476d, 478d, 480d, 482d, 484d, 486d, 488d, 490d, 492d, 494d, 496d, 498d, 500d, 502d, 504d, 506d, 508d, 510d, 512d, 514d, 516d, 518d, 520d, 522d, 524d, 526d, 528d, 530d, 532d, 534d, 536d, 538d, 540d, 542d, 544d, 546d, 548d, 550d, 552d, 554d, 556d, 558d, 560d, 562d, 564d, 566d, 568d, 570d, 572d, 574d, 576d, 578d, 580d, 582d, 584d, 586d, 588d, 590d, 592d, 594d, 596d, 598d, 600d, 602d, 604d, 606d, 608d, 610d, 612d, 614d, 616d, 618d, 620d, 622d, 624d, 626d, 628d, 630d, 632d, 634d, 636d, 638d, 640d, 642d, 644d, 646d, 648d, 650d, 652d, 654d, 656d, 658d, 660d, 662d, 664d, 666d, 668d, 670d, 672d, 674d, 676d, 678d, 680d, 682d, 684d, 686d, 688d, 690d, 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1880d, 1882d, 1884d, 1886d, 1888d, 1890d, 1892d, 1894d, 1896d, 1898d, 1900d, 1902d, 1904d, 1906d, 1908d, 1910d, 1912d, 1914d, 1916d, 1918d, 1920d,



ROOF FRAMING PLAN

SCALE: 1/8"=1'-0"

0 4' 8' 16'



MARKS AND SYMBOLS LEGEND

- SECTION MARK
SHEET NUMBER
- INDICATES CONCRETE WALL WHICH EXTENDS ABOVE ROOF DECK.
- INDICATES CONCRETE WALL WHICH STOPS AT ROOF DECK.
- INDICATES WOOD STUD WALL WHICH EXTENDS ABOVE ROOF.
- INDICATES WOOD STUD WALL WHICH STOPS AT ROOF.
- INDICATES METAL ROOF DECK. SEE GENERAL STRUCTURAL ON SHEET S001.
- INDICATES WOOD ROOF SHEATHING. SEE SCHEDULE ON SHEET S603.
- INDICATES MASONRY WALL TYPE. SEE SCHEDULE ON SHEET S602.
- INDICATES WOOD SHEARWALL TYPE. SEE SCHEDULE ON SHEET S603.
- INDICATES LH-SERIES JOIST WITH ALLOWABLE TOTAL LOAD / ALLOWABLE LIVE (SNOW) LOAD.
- INDICATES NUMBER OF KING STUDS AND NUMBER OF BEARING STUDS. SEE DETAIL 7/S512.
- INDICATES STEEL COLUMN. SEE SCHEDULE ON SHEET S601.
- INDICATES MASONRY COLUMN TYPE. SEE SCHEDULE ON SHEET S602.
- INDICATES MASONRY UNTEL TYPE. SEE SCHEDULE ON SHEET S602.
- INDICATES ROOF DRAIN. SEE DETAIL 2/S511.

ROOF FRAMING PLAN NOTES

- VERIFY ALL ROOF OPENINGS FOR MECHANICAL SHAFTS, DRAINS, ETC. WITH ARCHITECTURAL AND MECHANICAL DRAWINGS.
- JOIST SUPPLIER SHALL DESIGN ALL ROOF JOIST BEARING ENDS AT MASONRY WALLS TO TRANSFER 1500# (ALLOWABLE) AXIAL LOAD THROUGH JOIST BEARING SHOE.
- ALL JOISTS SHALL HAVE 5" DEEP BEARING ENDS (UNO).
- ALL ROOF OPENINGS GREATER THAN, OR EQUAL TO, 12" x 12" SHALL BE FRAMED AS INDICATED IN DETAILS 1/S511 AND 2/S511. FOR OPENINGS WHICH CUT LESS THAN TWO DECK FLUTES, SEE DETAIL 3/S511.
- SEE DETAIL 4/S511 WHEN CONCENTRATED LOADS ARE LOCATED MORE THAN 6" FROM JOIST OR JOIST ORDER PANEL POINT.
- SEE DETAIL 5/S511 WHEN MECHANICAL UNITS ARE HUNG BELOW JOISTS.
- VERIFY SIZE, WEIGHT, AND LOCATION OF ALL ROOF TOP MECHANICAL UNITS WITH ARCHITECTURAL AND MECHANICAL DRAWINGS. SEE DETAIL 6/S511 FOR STEEL FRAMES AT ALL ROOF TOP EQUIPMENT. COORDINATE OPENINGS WITH MECHANICAL, ELECTRICAL, AND GENERAL CONTRACTORS.
- LOCATE MISCELLANEOUS MECHANICAL OPENINGS BETWEEN JOISTS, NOT UNDERNEATH THEM.
- OPEN WEB STEEL JOISTS AND JOIST ORDERS SHALL BE DESIGNED BY THE MANUFACTURER TO SUPPORT THE MECHANICAL AND LATERAL LOADS SHOWN ON THE ROOF FRAMING PLANS IN ADDITION TO THE UNIFORM AND POINT LOADS SHOWN.
- JOIST BRIDGING SHOWN ON PLANS IS FOR REPRESENTATION ONLY; ACTUAL SIZE, QUANTITY, AND LOCATION WILL BE DETERMINED BY THE JOIST SUPPLIER PER "SJI" REQUIREMENTS. ALL BRIDGING AND BRIDGING ANCHORS NEED TO BE IN PLACE BEFORE APPLYING ANY LOADS. WHERE SKYLIGHT OR MECHANICAL UNITS/DUCTS INTERRUPT HORIZONTAL BRIDGING, PROVIDE CROSS BRIDGING AT JOIST SPACES ON EACH SIDE OF THE OPENING. WHERE DIAGONAL BRIDGING CONFLICTS WITH MECHANICAL DUCTS, REMOVE DIAGONAL BRIDGING AND REPLACE WITH HORIZONTAL BRIDGING AFTER ROOF DECK IS IN PLACE.
- JOIST DESIGNER SHALL DESIGN JOISTS AND SUPPLY ADDITIONAL BRIDGING AS REQUIRED FOR UPLIFT DUE TO WIND. ASSUME:
DEAD LOAD = 12psf WIND UPLIFT = 20psf (GROSS)
NO 1/3 STRESS INCREASE ALLOWED.
- SEE DETAIL 1/S511 FOR FRAMING AROUND ALL WOOD ROOF OPENINGS.
- SEE DETAIL 2/S511 FOR TYPICAL TOP PLATE SPLICE DETAIL.
- SEE DETAIL 3/S511 FOR TYPICAL TOP PLATE SPLICE DETAIL.
- SEE DETAIL 4/S511 FOR TYPICAL TOP PLATE SPLICE SCHEDULE AT PIPE.

CONSTRUCTION DOCUMENTS

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DLD - OGDEN

SOUTH OGDEN, UTAH

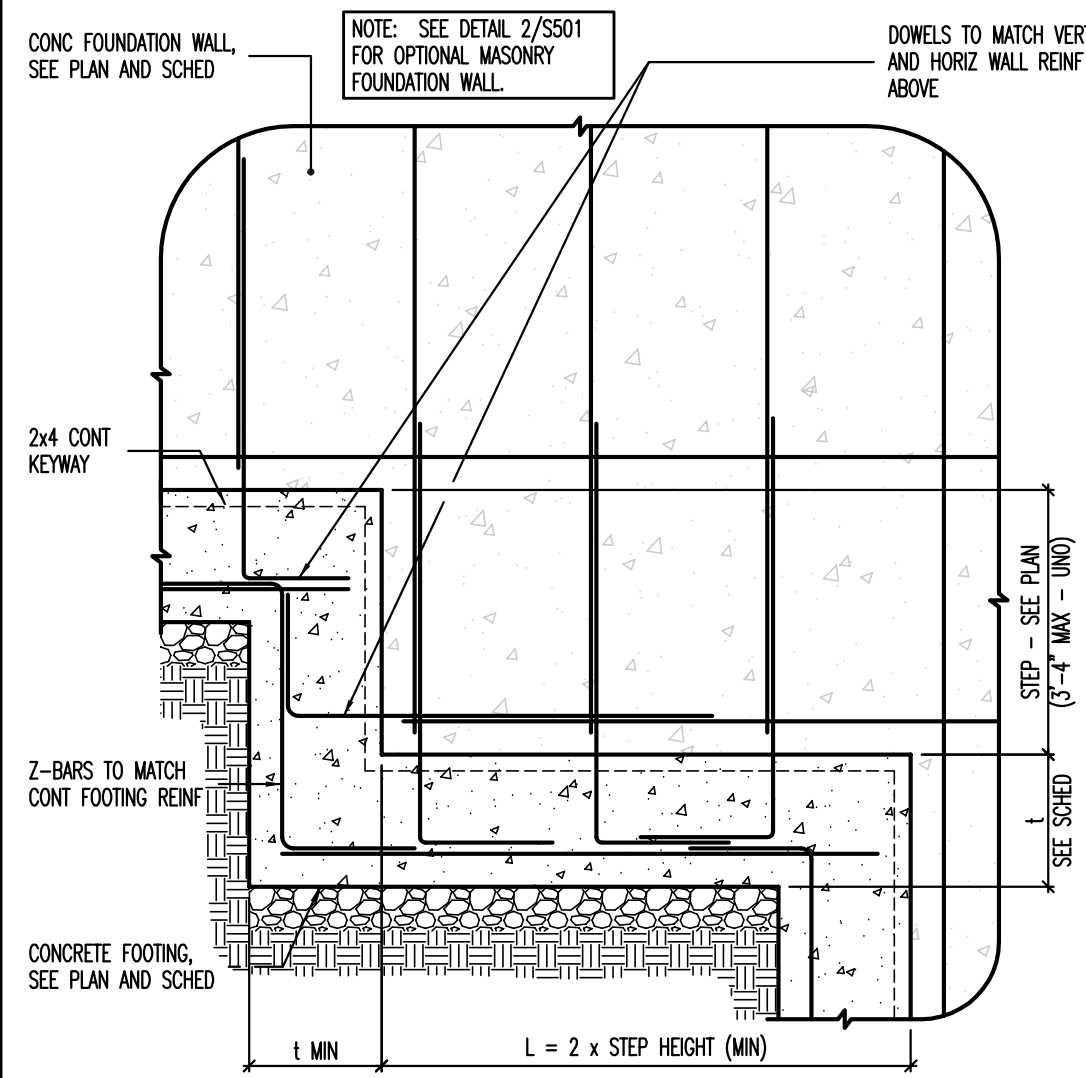


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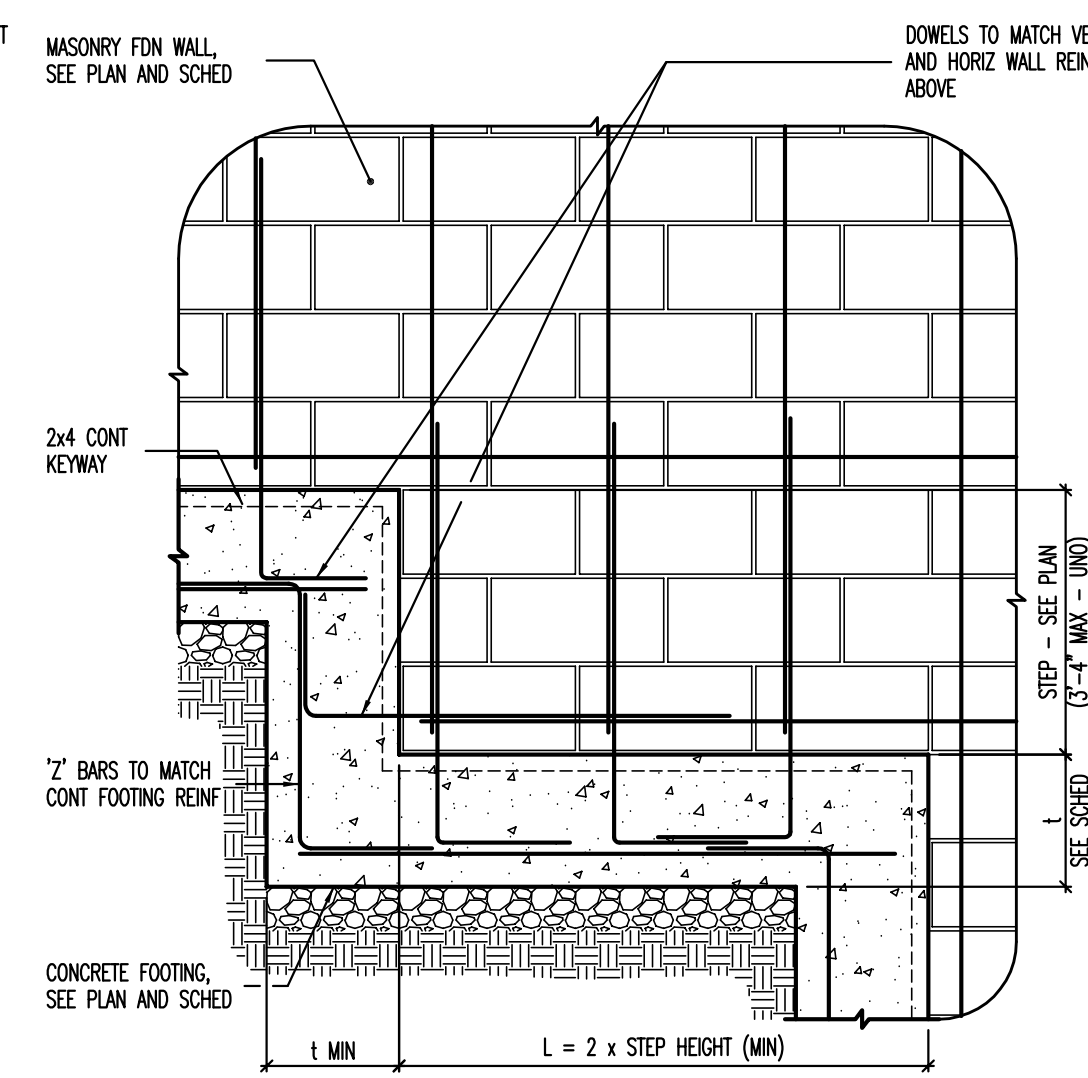
DATE/REVISION	PROJECT #
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ROOF FRAMING
PLAN

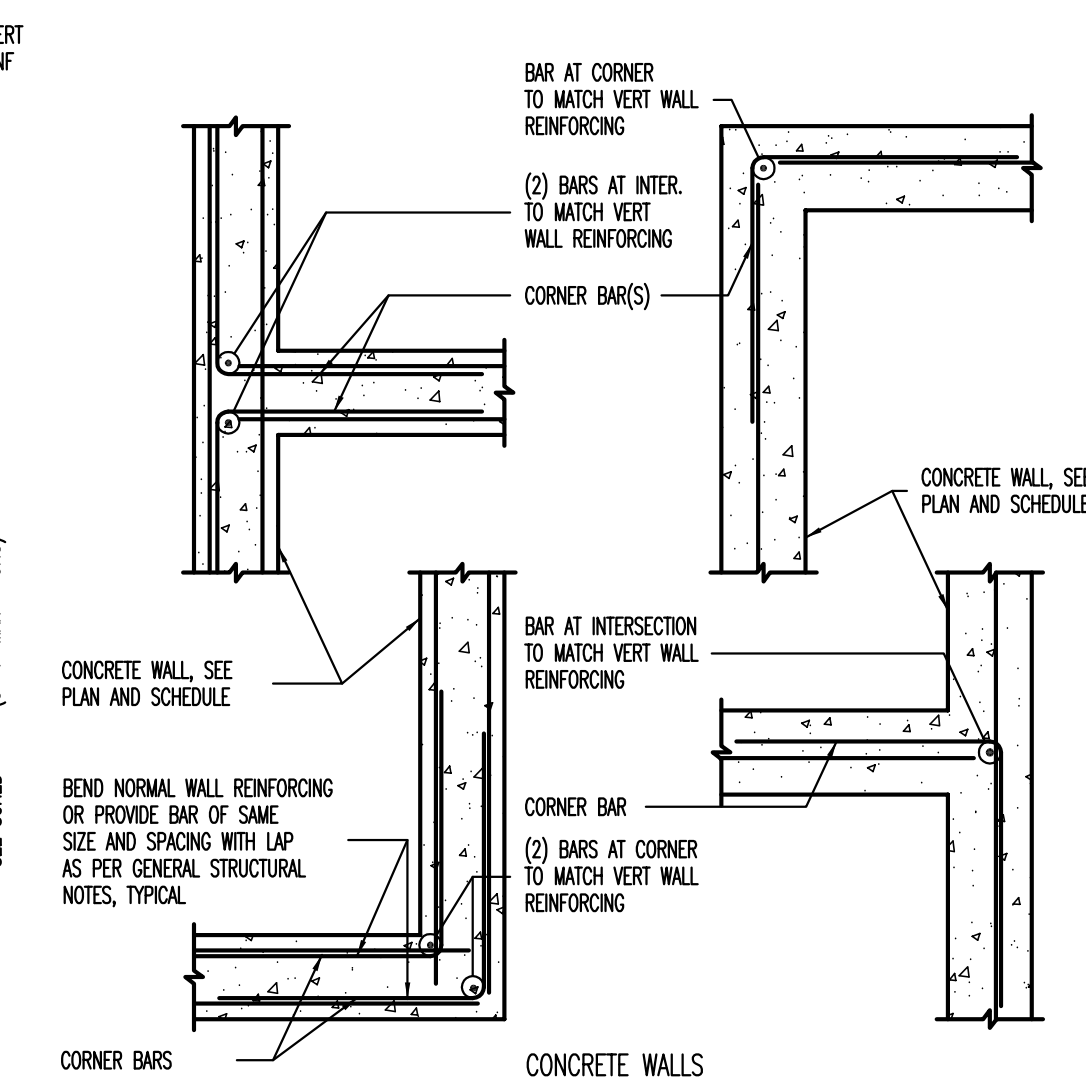
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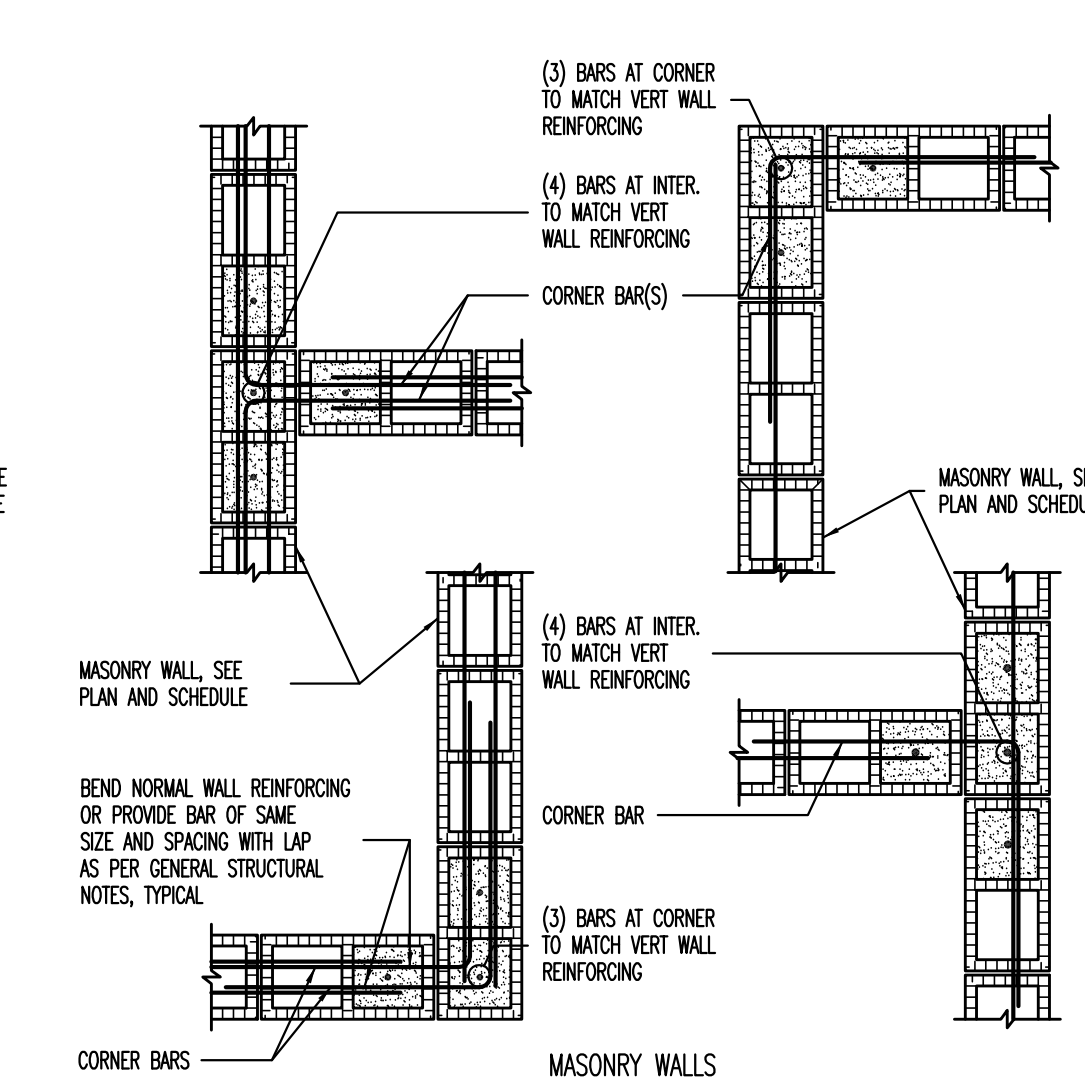
1 TYPICAL FOOTING STEP DETAIL
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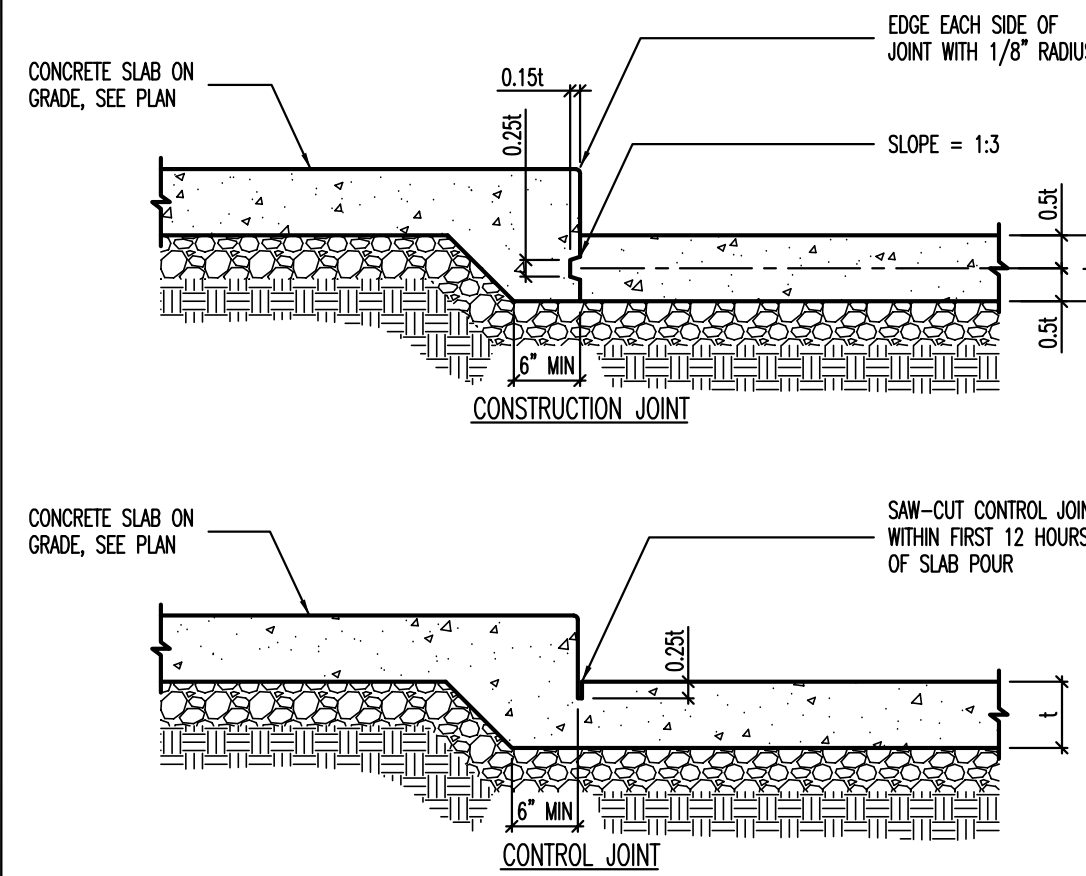
2 TYPICAL FOOTING STEP AT MASONRY FOUNDATION WALL [OPTIONAL]
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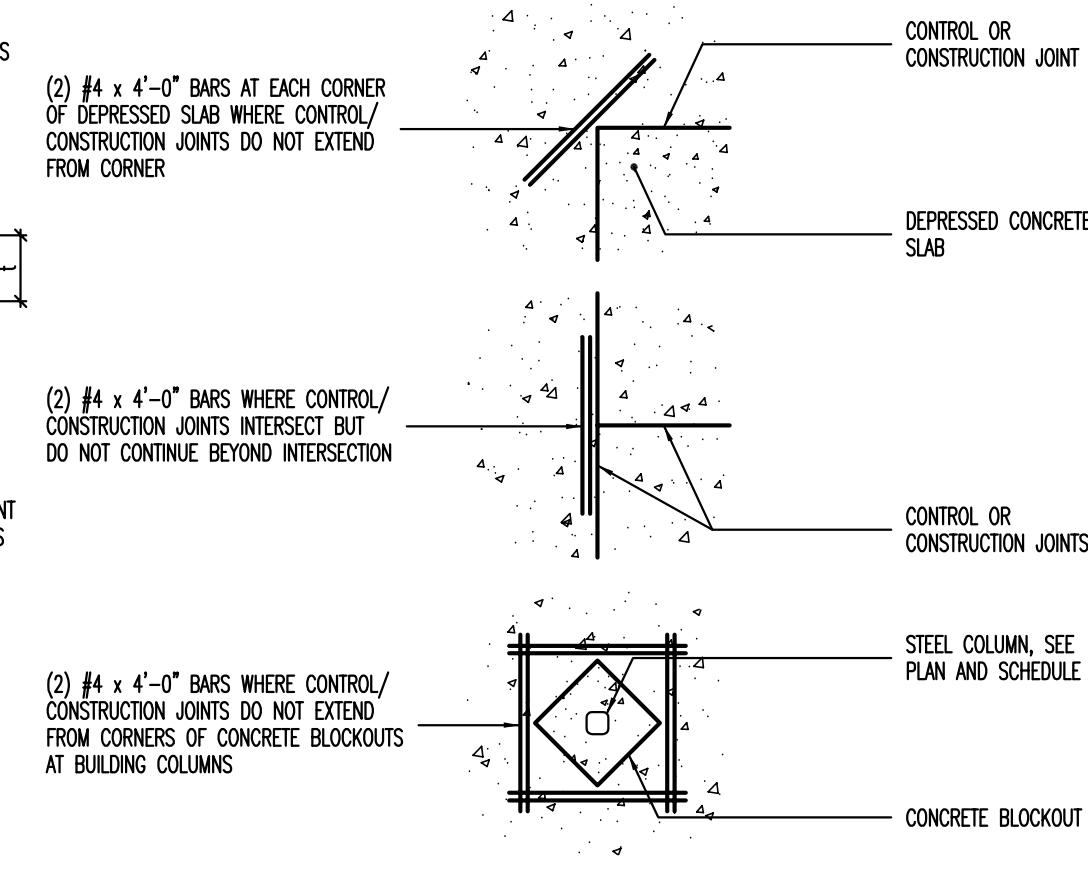
3 TYPICAL CORNER WALL REINFORCING [PLAN VIEW]
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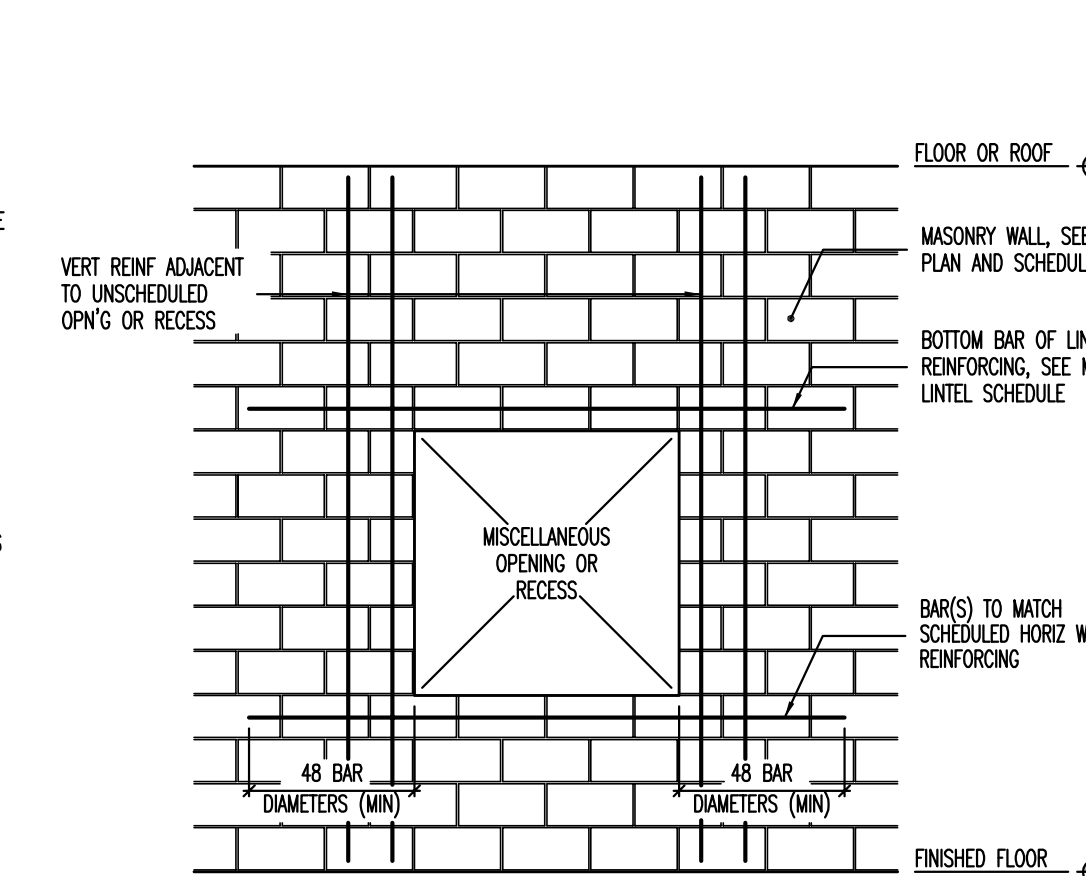
4 TYPICAL SLAB ON GRADE JOINT DETAILS
NO SCALE



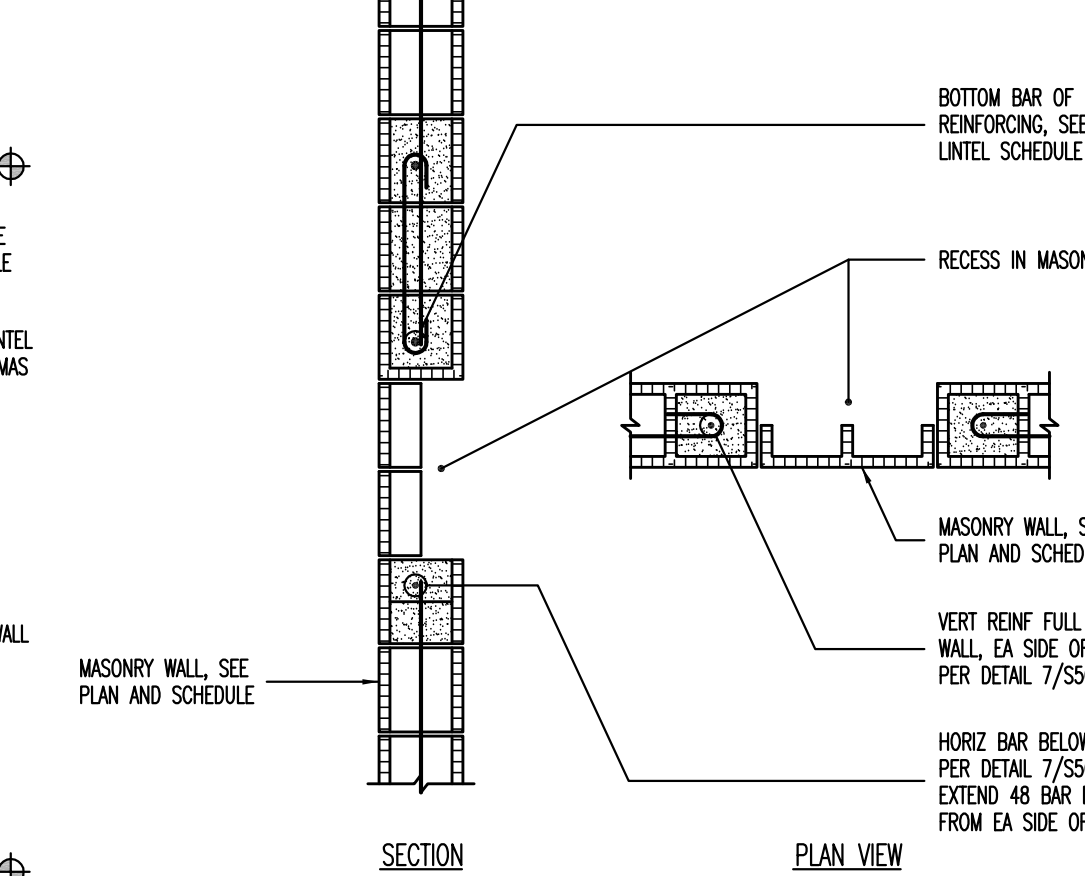
5 JOINT DETAILS AT SLAB DEPRESSIONS
NO SCALE



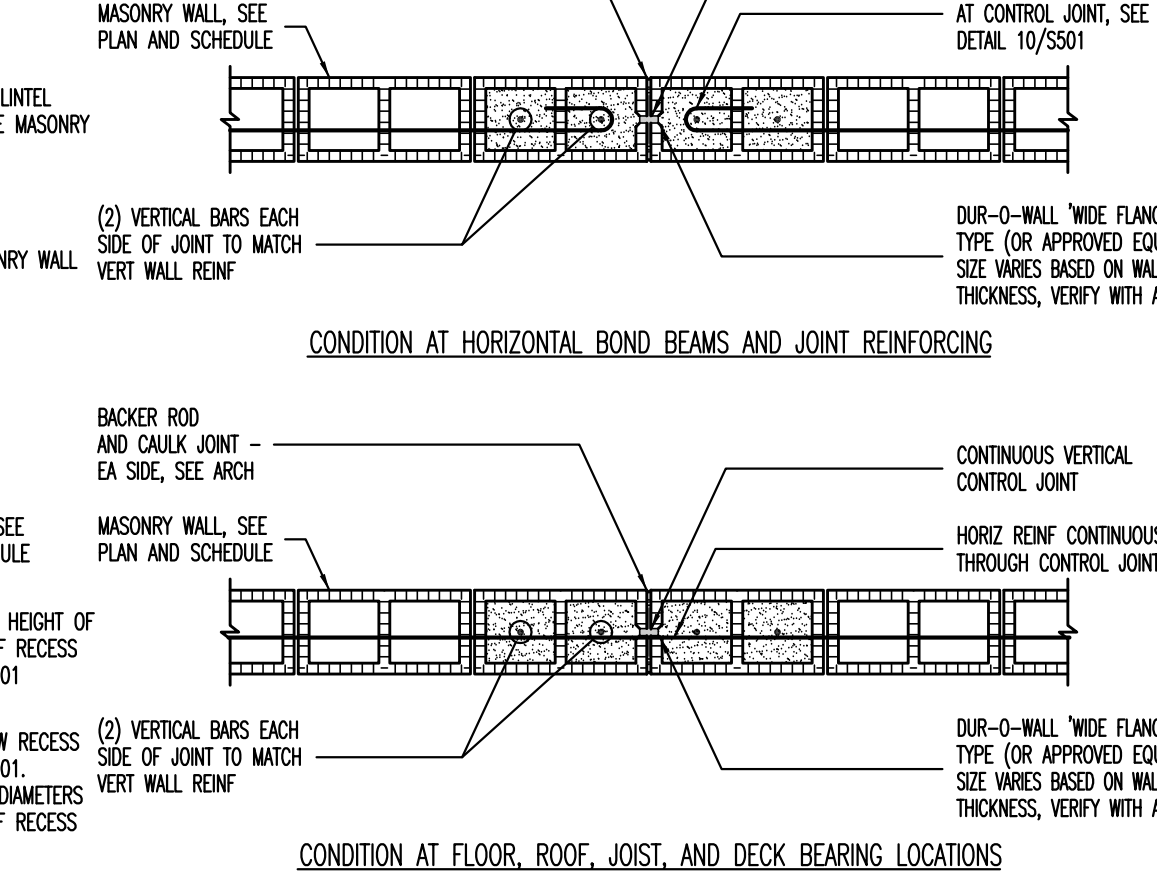
6 LOCATIONS REQUIRING ADDITIONAL SLAB REINFORCING [PLAN VIEW]
NO SCALE



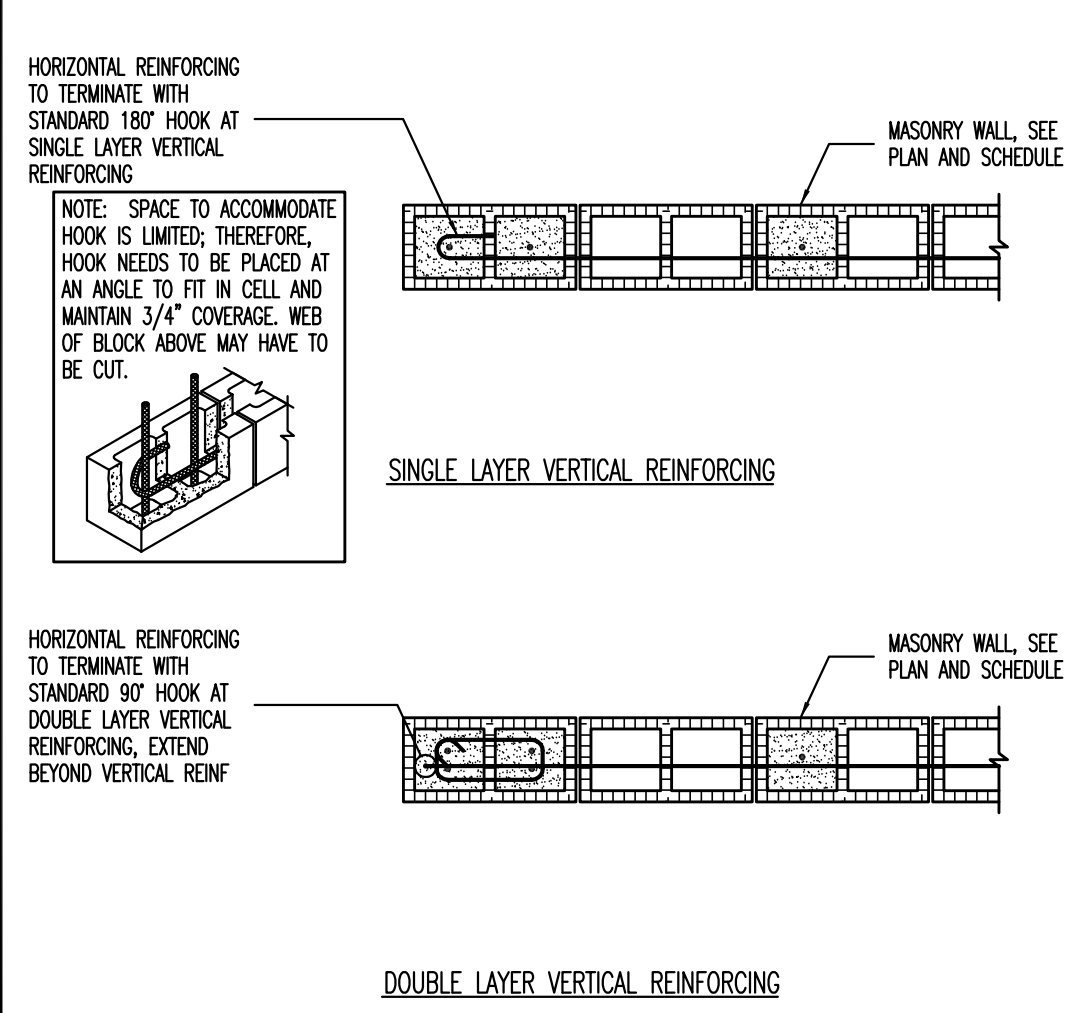
7 REINFORCING AT UNSCHEDULED MISCELLANEOUS OPENINGS OR RECESSES IN MASONRY WALLS
NO SCALE



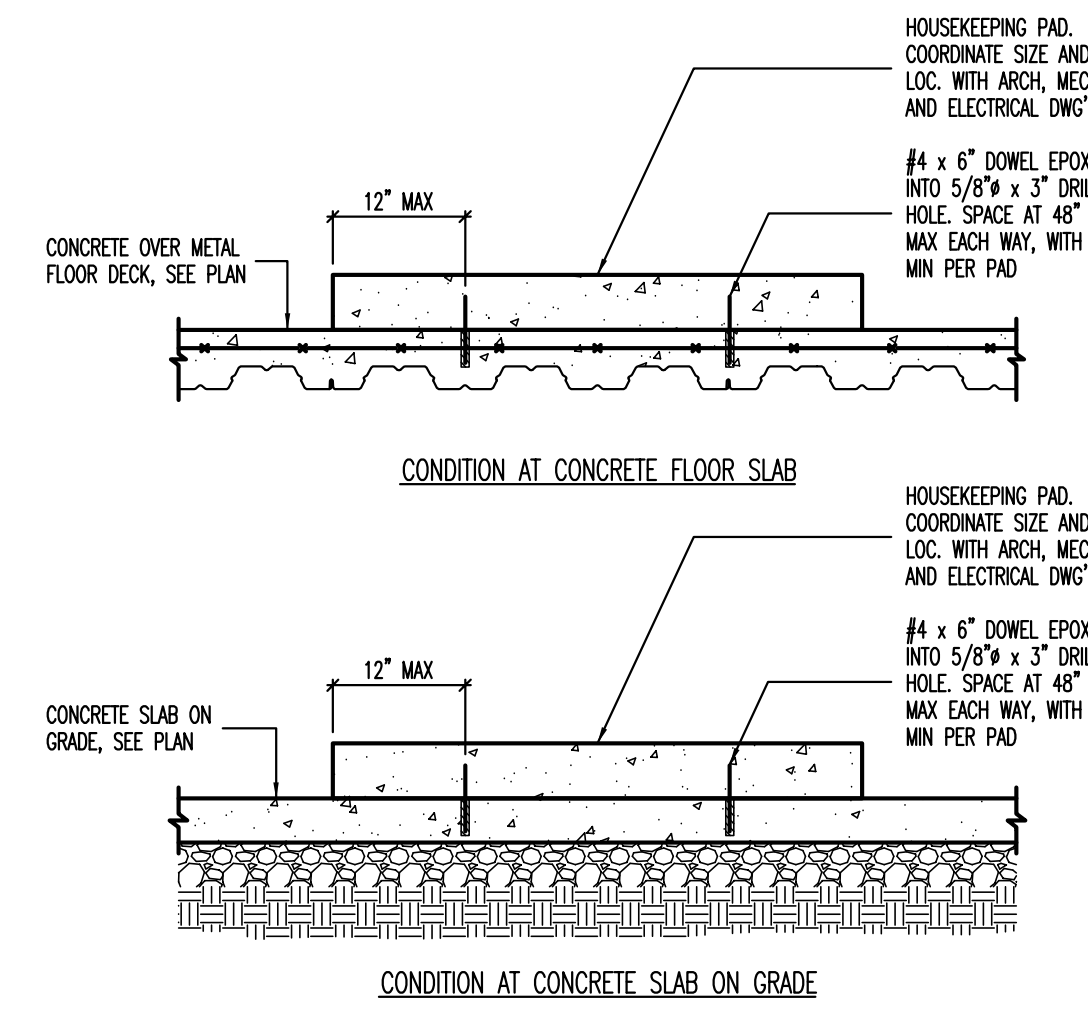
8 TYPICAL REINFORCING AT RECESS IN MASONRY WALLS
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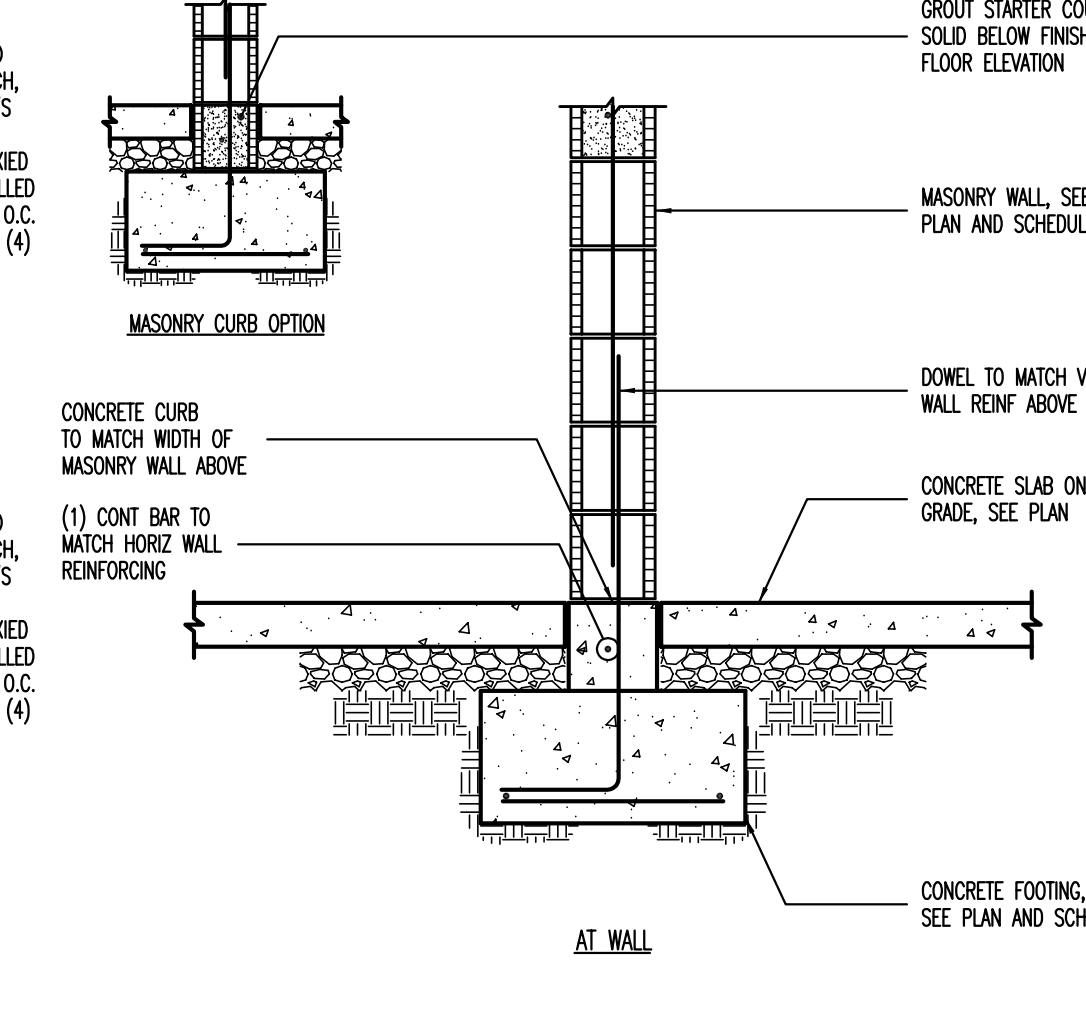
9 MASONRY CONTROL JOINT DETAIL AT MASONRY WALL
NO SCALE



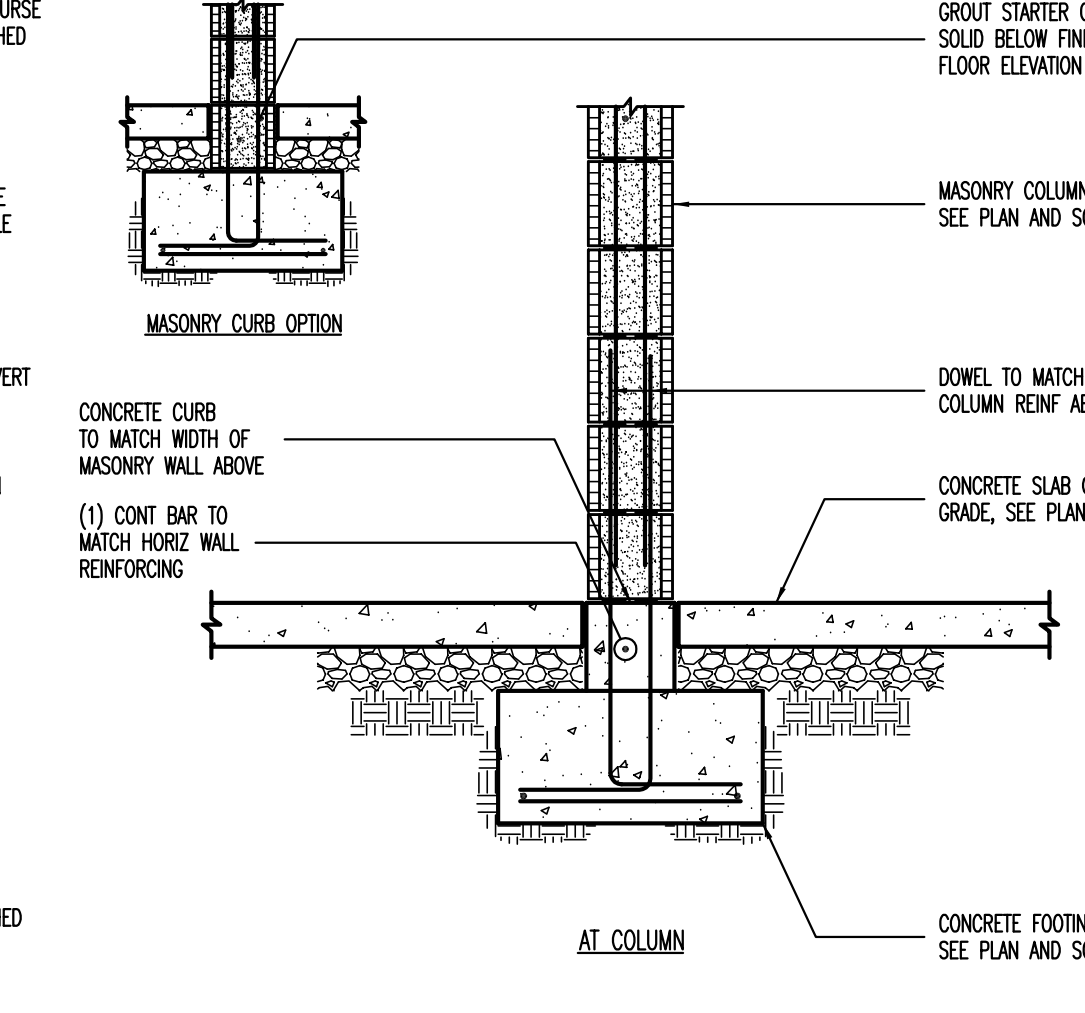
10 TERMINATION OF HORIZONTAL REINFORCING IN 8\"/>



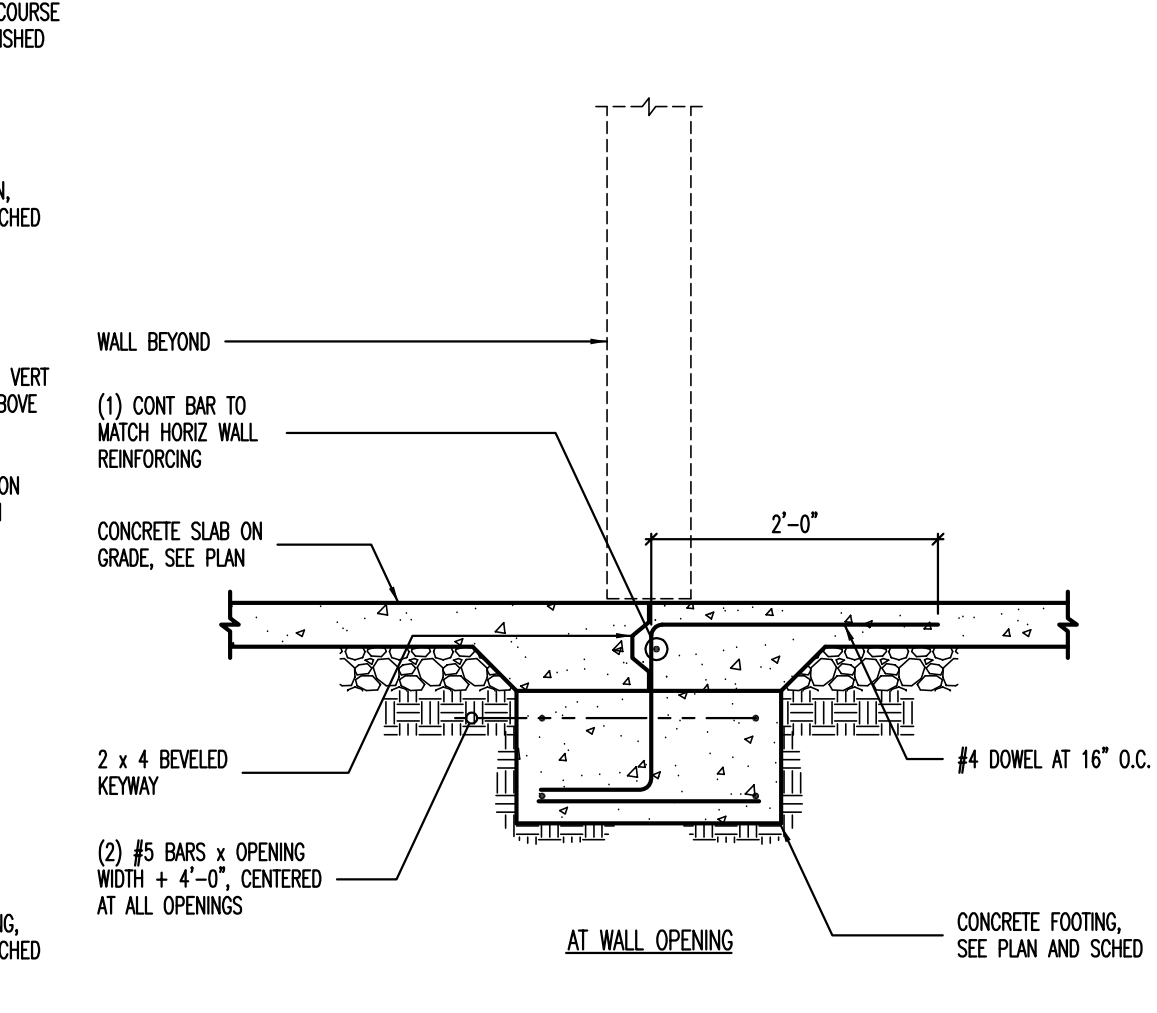
11 HOUSEKEEPING PAD DETAIL
NO SCALE



12 TYPICAL INTERIOR MASONRY WALL ON CONCRETE CURB
NO SCALE



8 TYPICAL REINFORCING AT RECESS IN MASONRY WALLS
NO SCALE



9 MASONRY CONTROL JOINT DETAIL AT MASONRY WALL
NO SCALE

CONSTRUCTION DOCUMENTS

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DLD - OGDEN

SOUTH OGDEN, UTAH

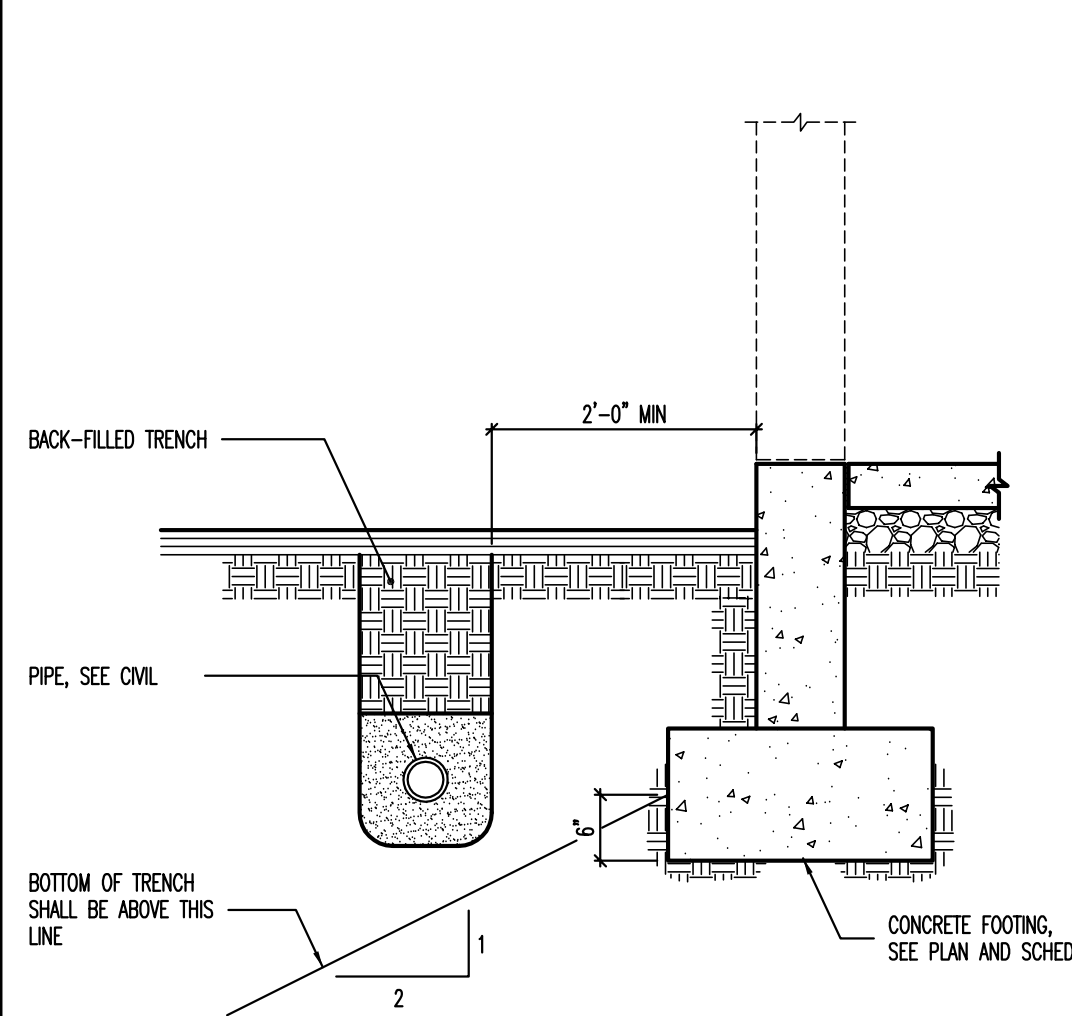
JRCA

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(801) 533-2100 fax: 533-2101 jrca design.com

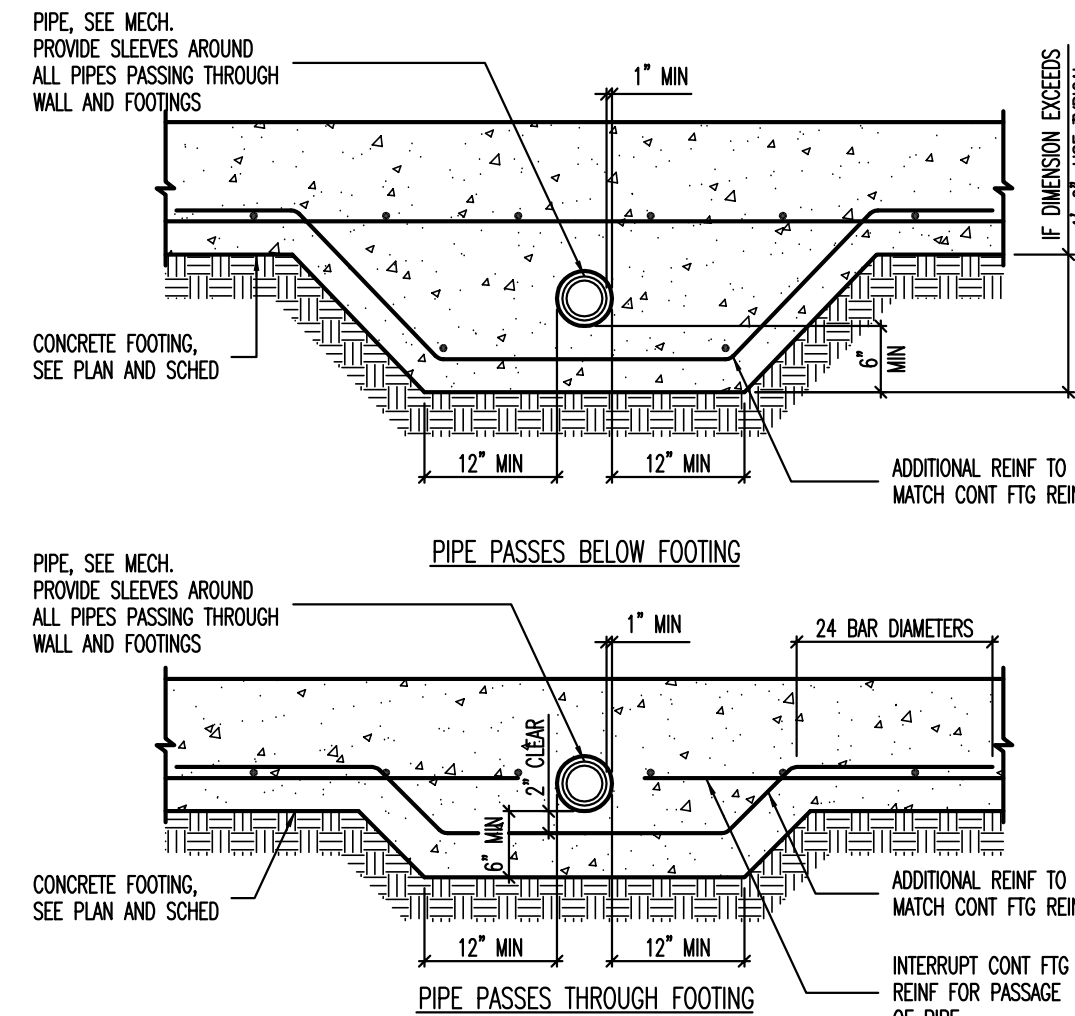
DATE/REVISION 11 • 24 • 10	PROJECT #. 10314
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FOOTING AND FOUNDATION DETAILS

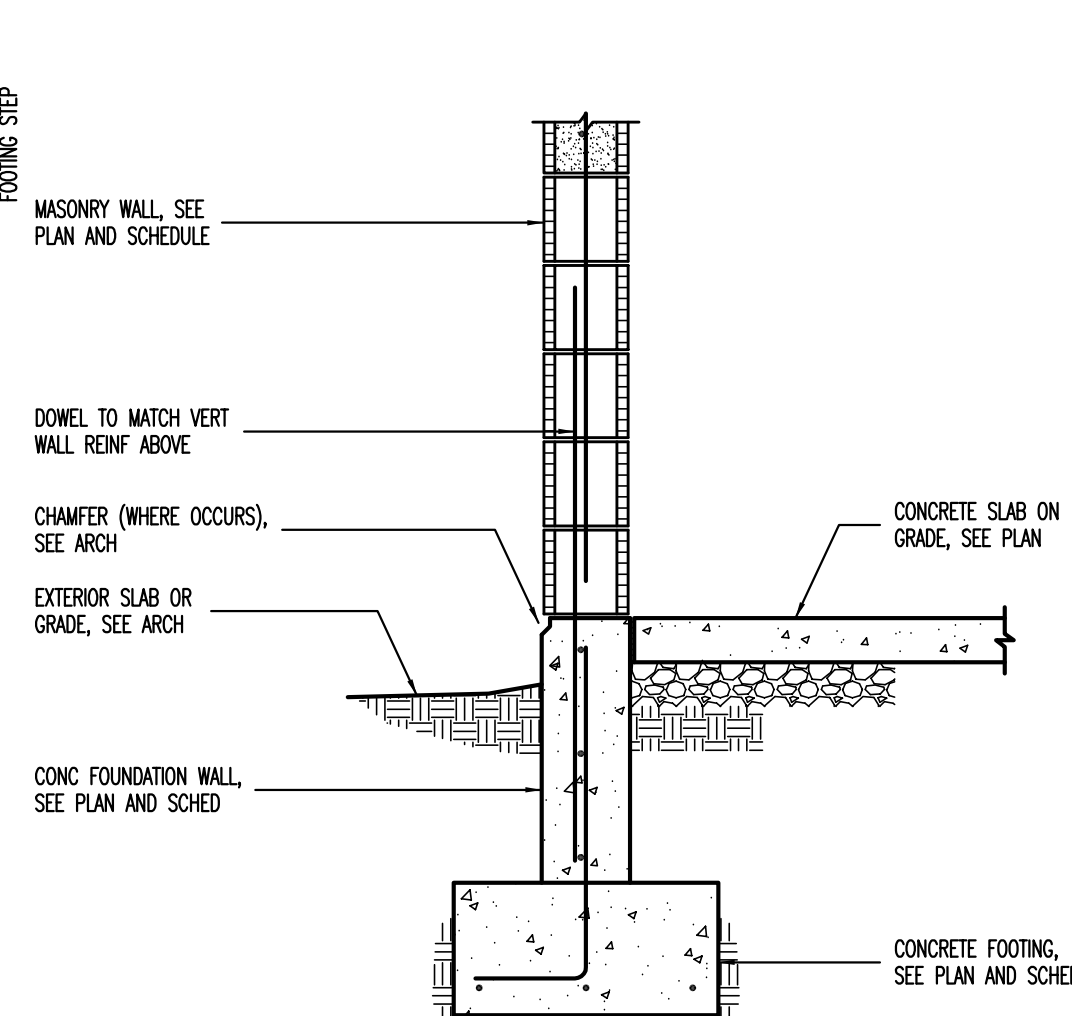
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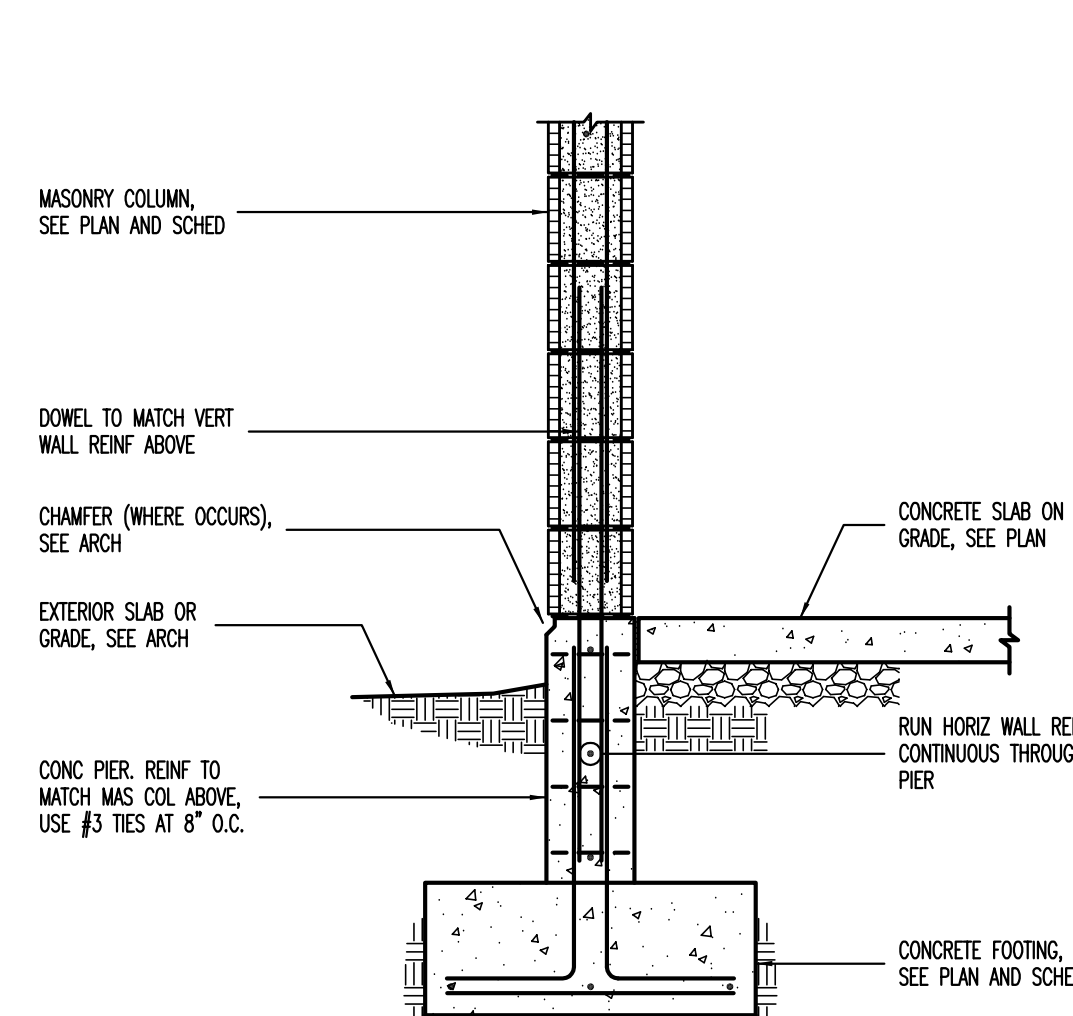
1 CONDITION AT PIPE PARALLEL TO CONCRETE FOOTING
NO SCALE



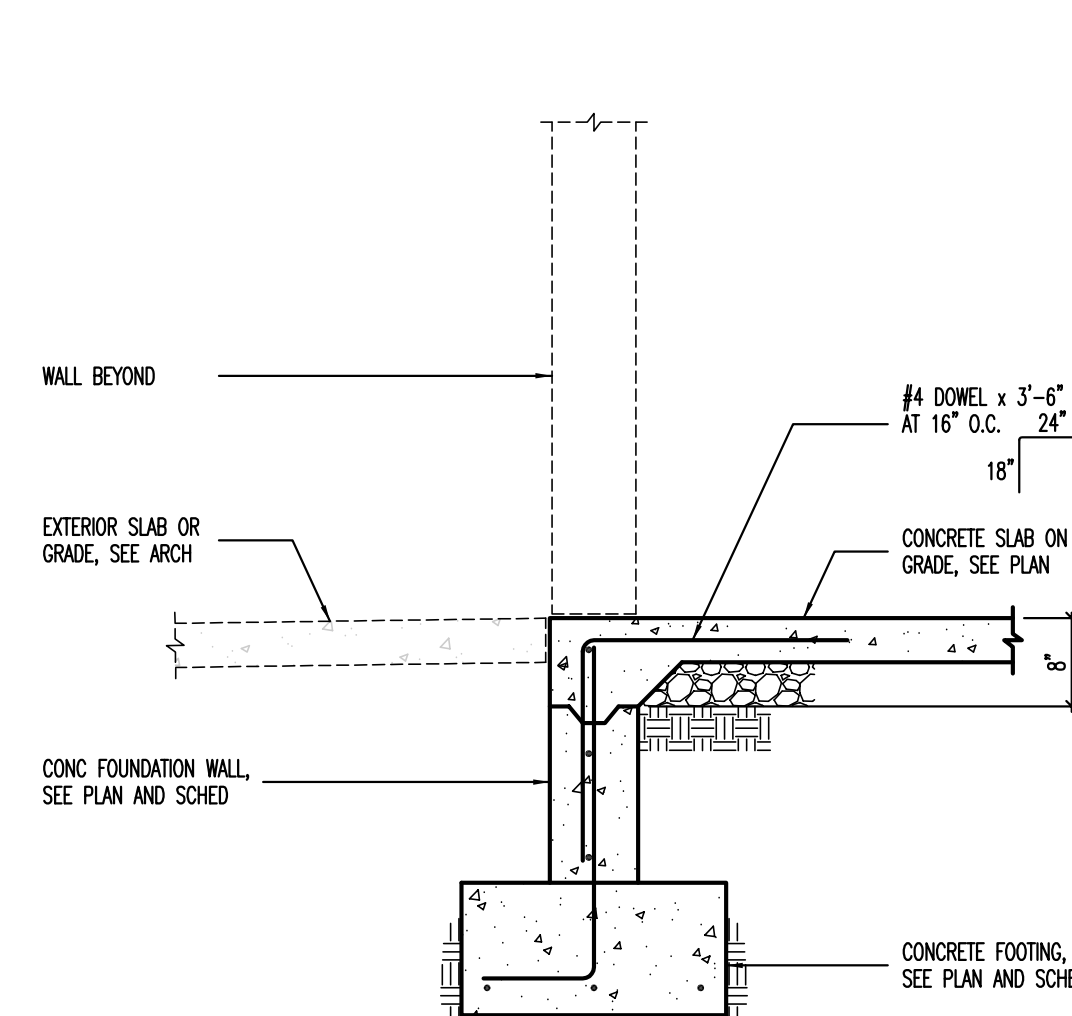
2 CONDITIONS AT PIPE PERPENDICULAR TO FOOTING
NO SCALE



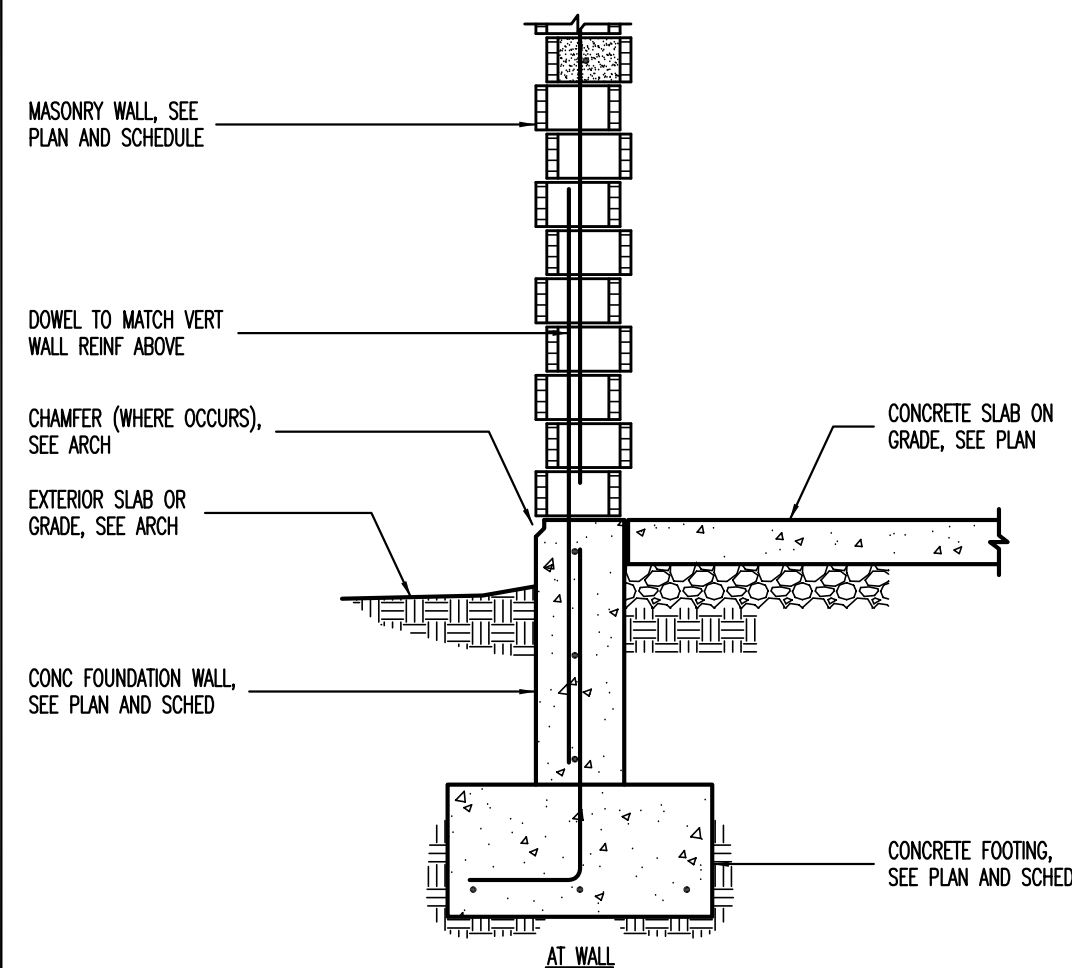
3 TYPICAL EXTERIOR FOUNDATION WALL DETAIL AT MASONRY WALL
NO SCALE



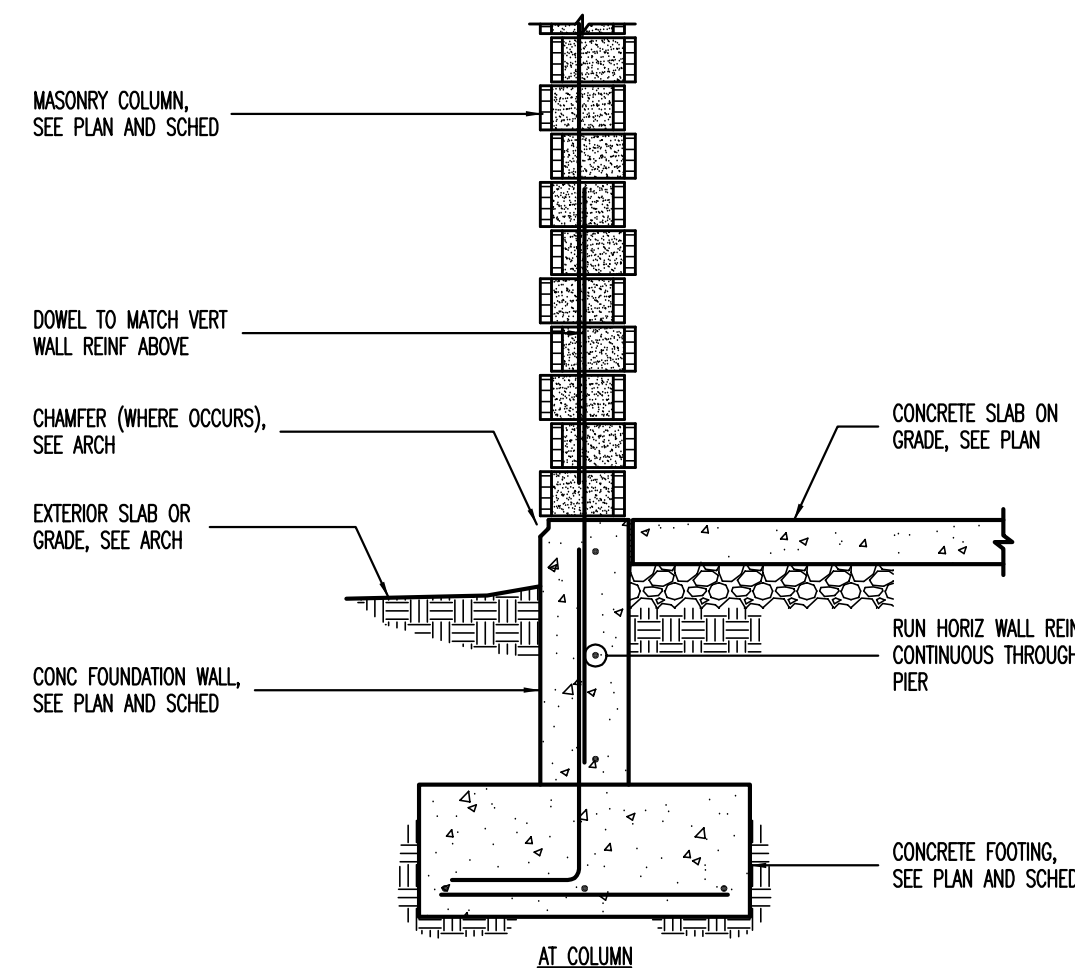
4 TYPICAL EXTERIOR FOUNDATION WALL DETAIL AT MASONRY WALL
NO SCALE



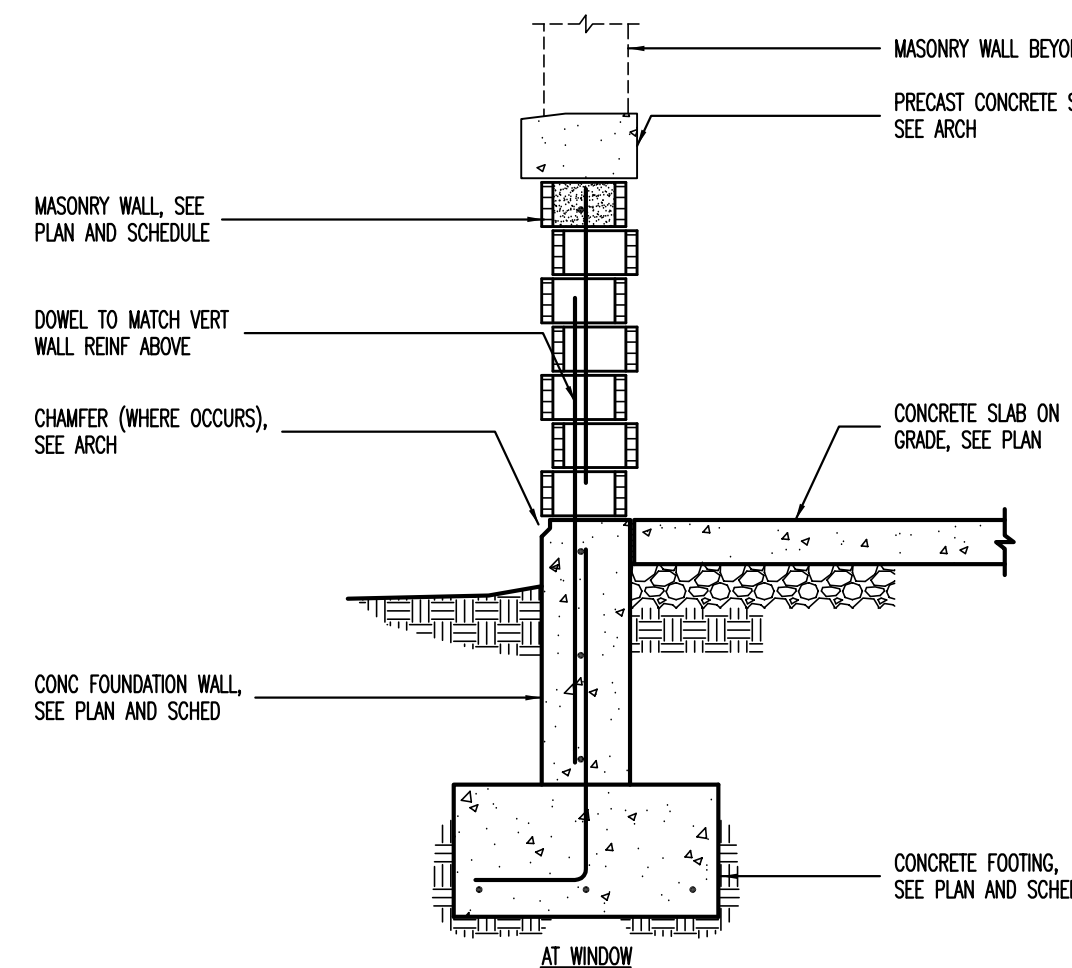
5 FOUNDATION WALL DETAIL AT STORE FRONT
NO SCALE



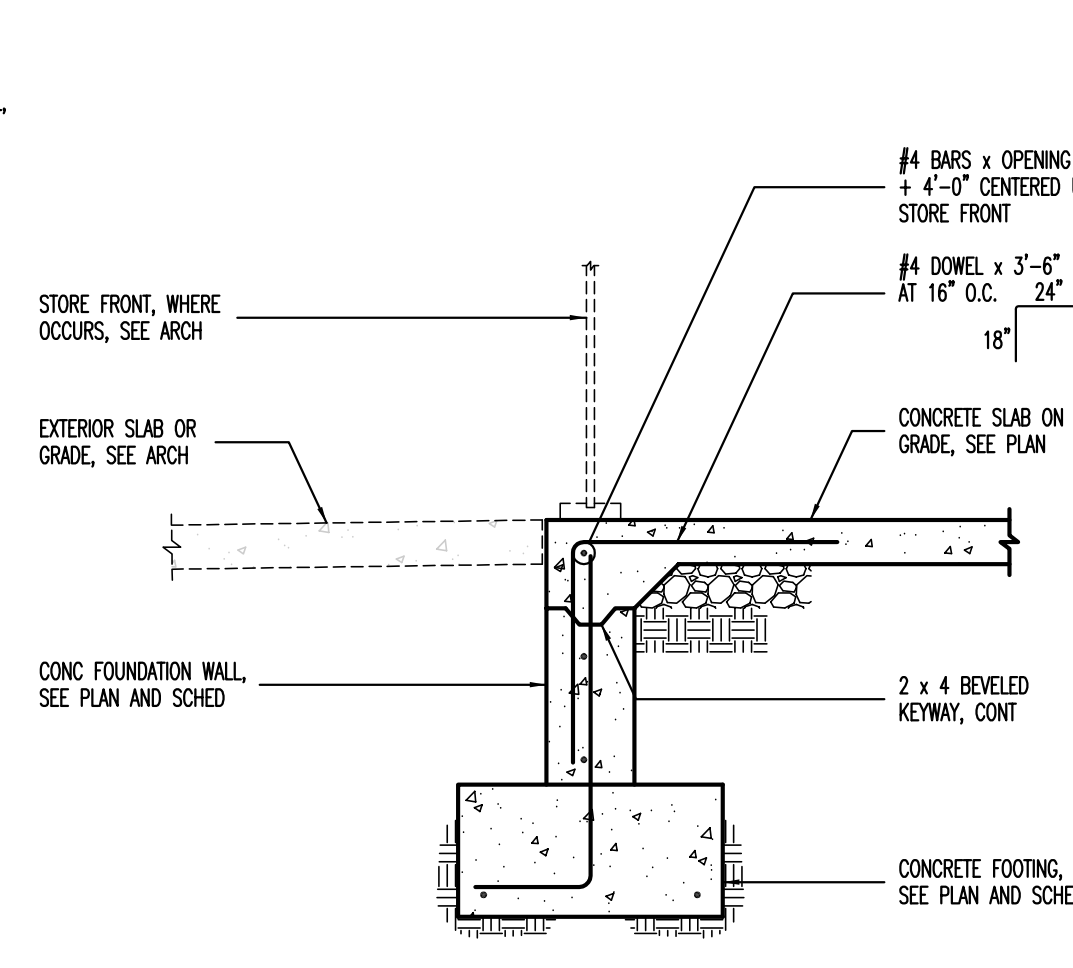
6 TYPICAL EXTERIOR FOUNDATION WALL AT MASONRY WALL
NO SCALE



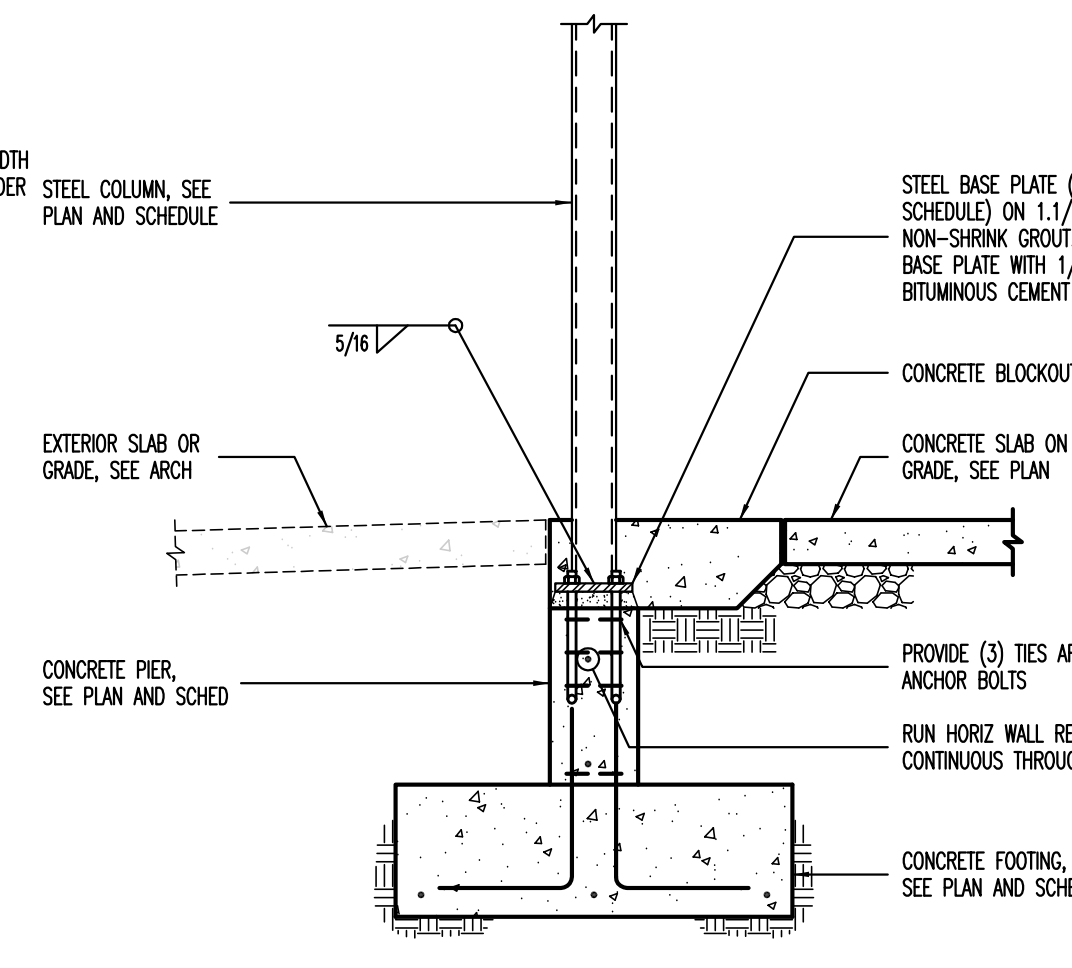
7 TYPICAL EXTERIOR FOUNDATION WALL AT MASONRY WALL
NO SCALE



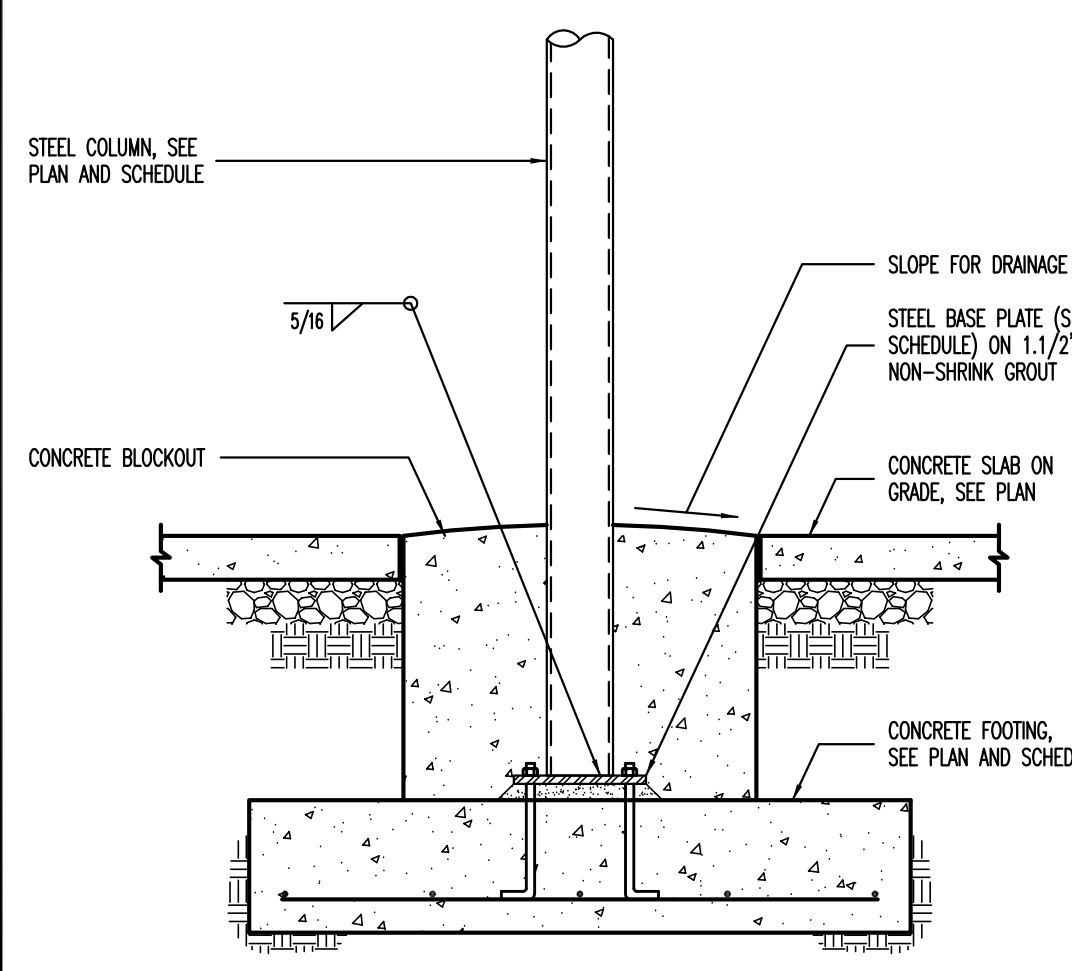
8 TYPICAL EXTERIOR FOUNDATION WALL AT MASONRY WALL
NO SCALE



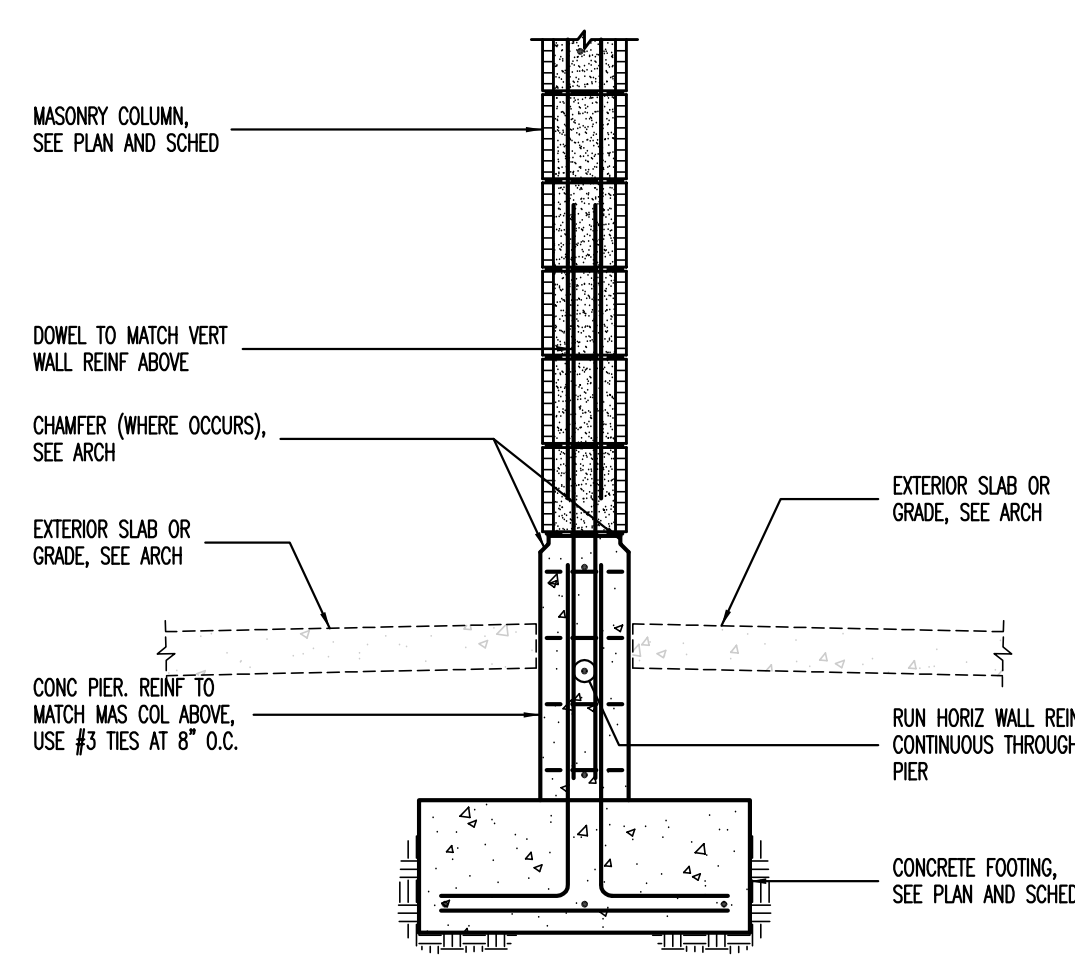
9 FOUNDATION WALL DETAIL AT STORE FRONT
NO SCALE



10 TYPICAL STEEL COLUMN BEARING AT EXTERIOR CONCRETE FOUNDATION WALL
NO SCALE



11 STEEL COLUMN BEARING AT CONCRETE FOOTING
NO SCALE



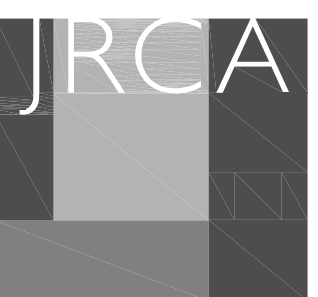
12 EXTERIOR FOUNDATION WALL AT MASONRY COLUMN
NO SCALE

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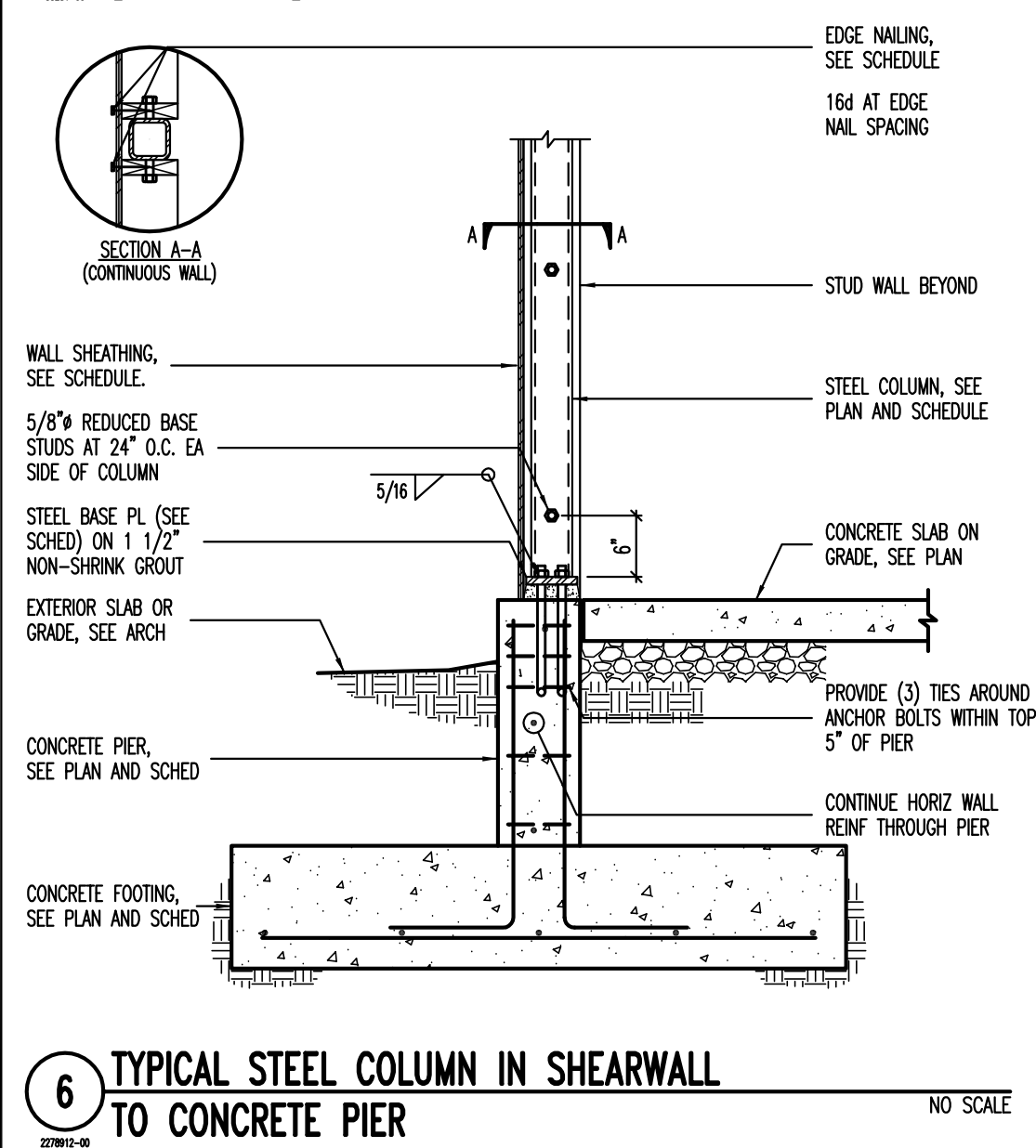
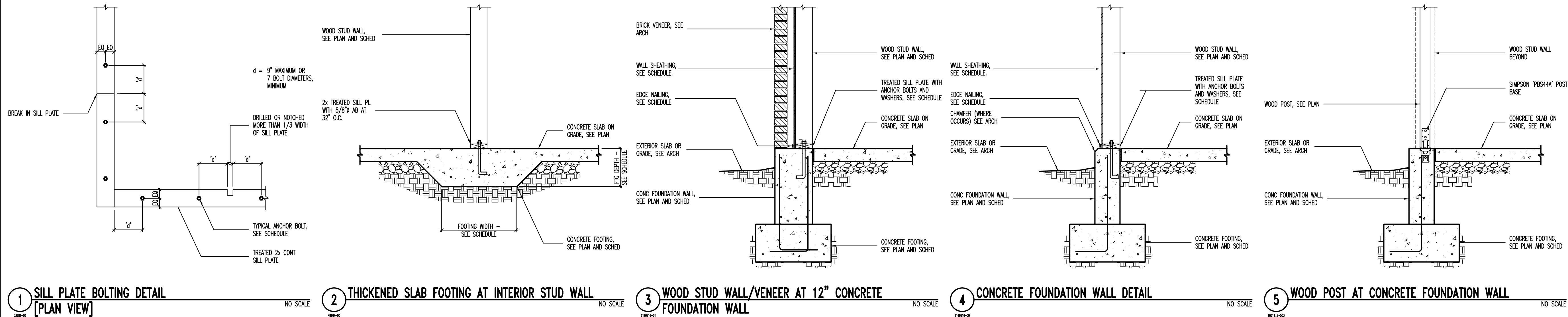


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FOOTING AND
FOUNDATION
DETAILS

S502



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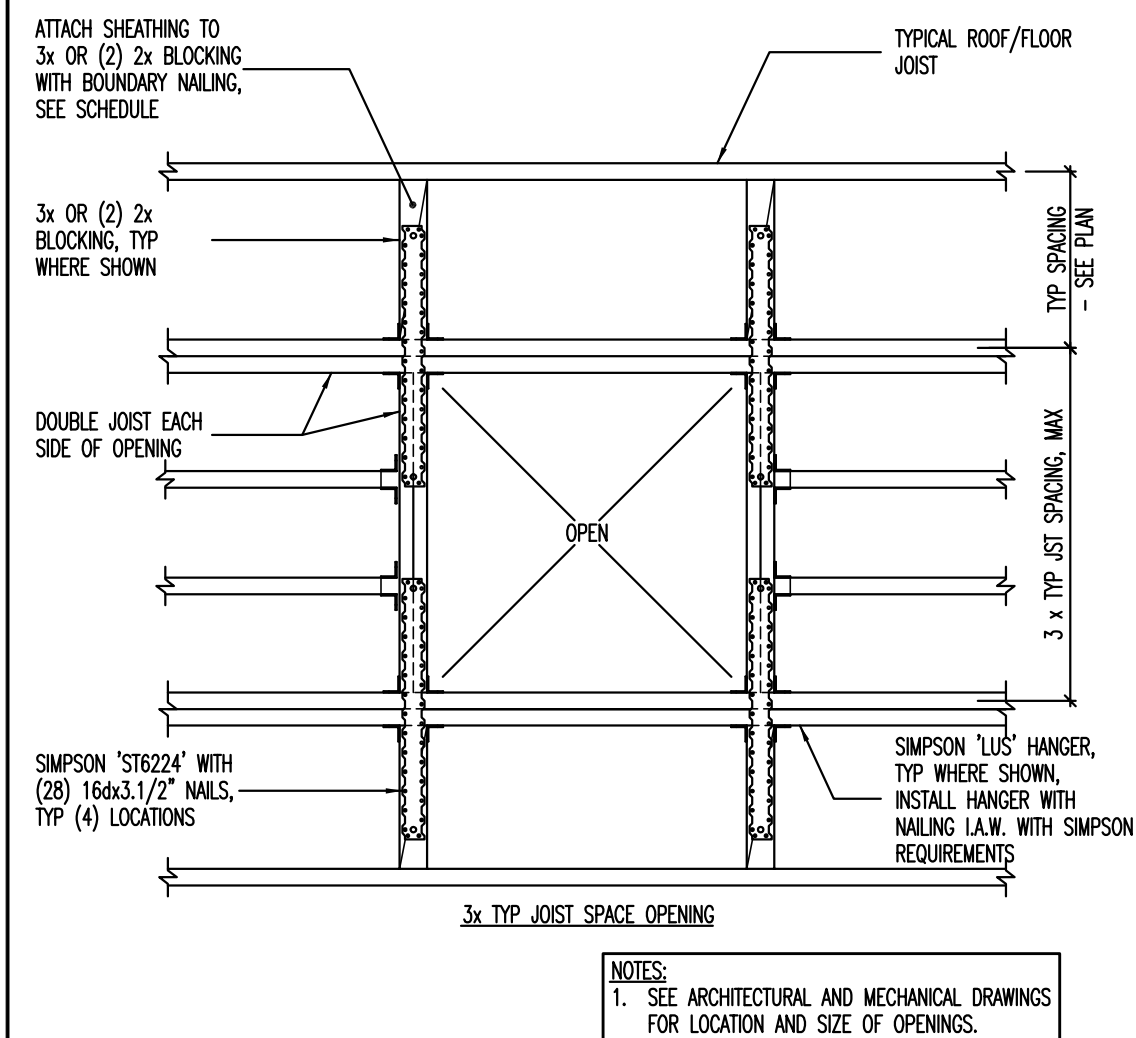


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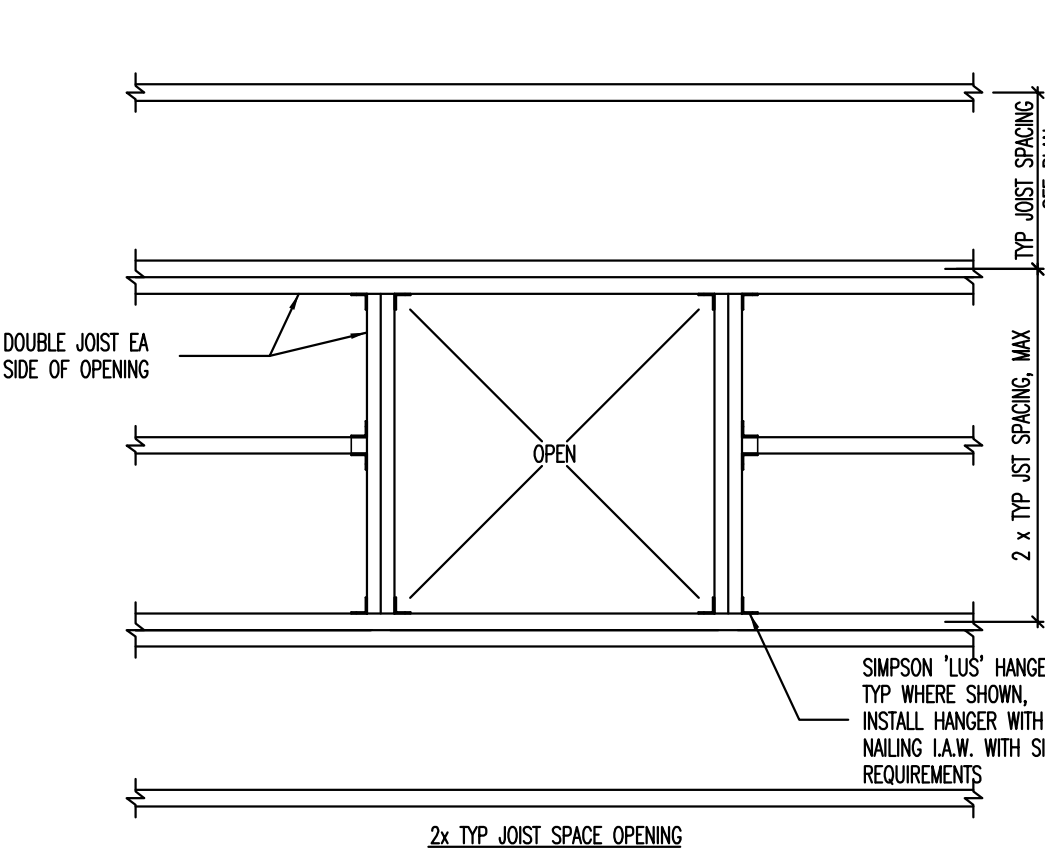
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FOOTING AND
FOUNDATION
DETAILS

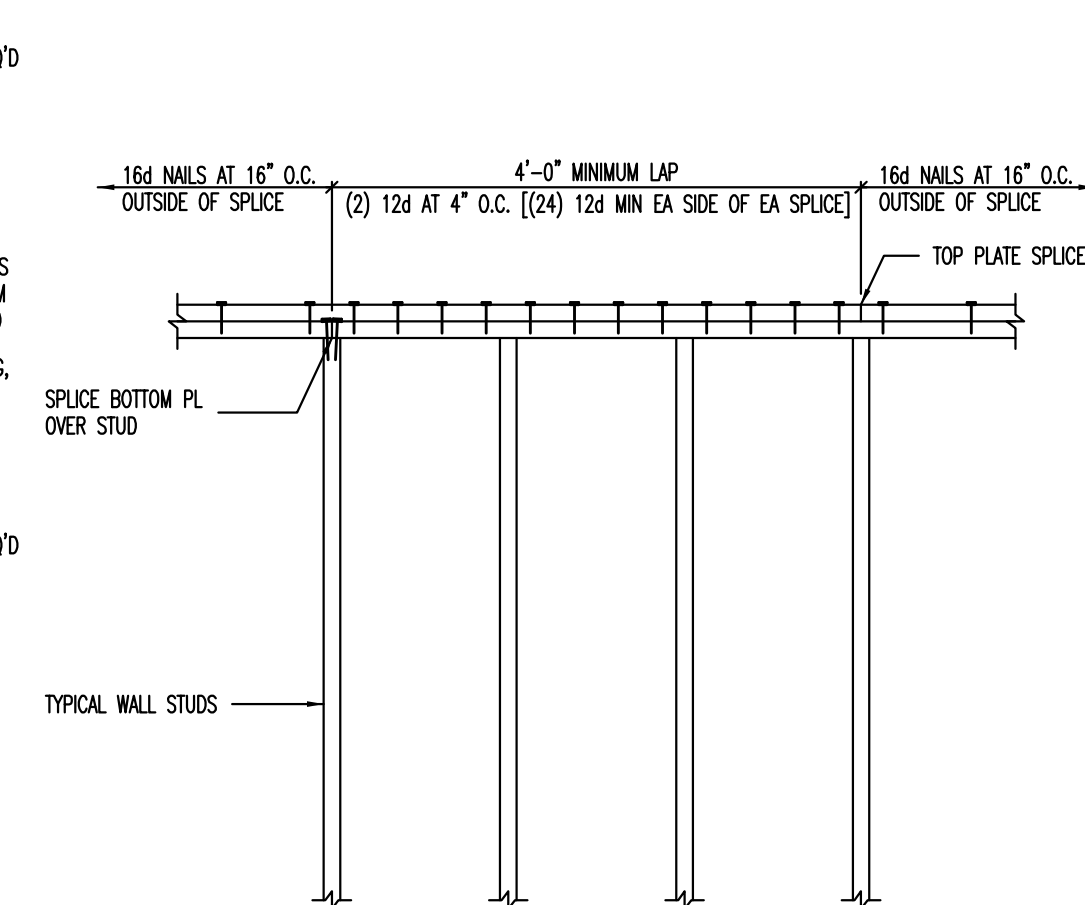
S503



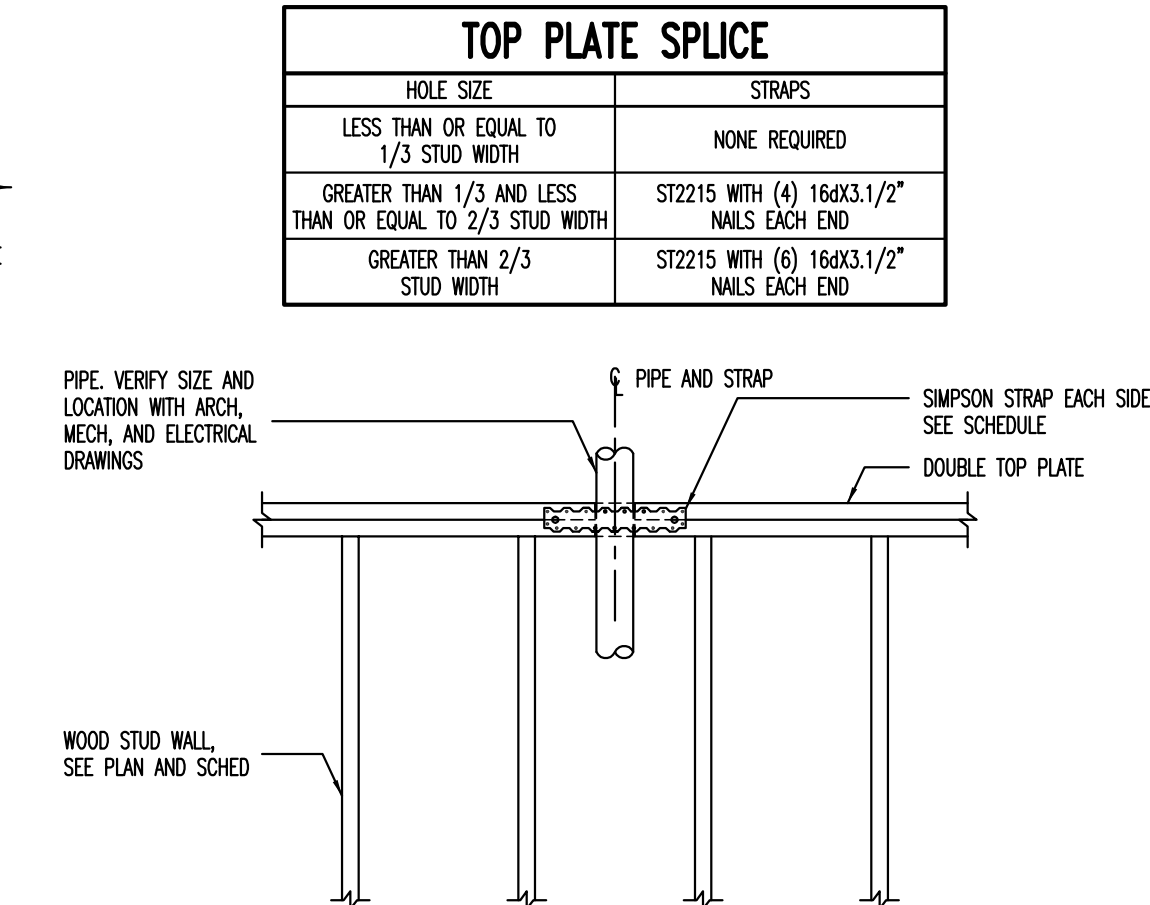
1 FRAMING AT CONVENTIONALLY FRAMED ROOF OPENINGS [plan view]
NO SCALE



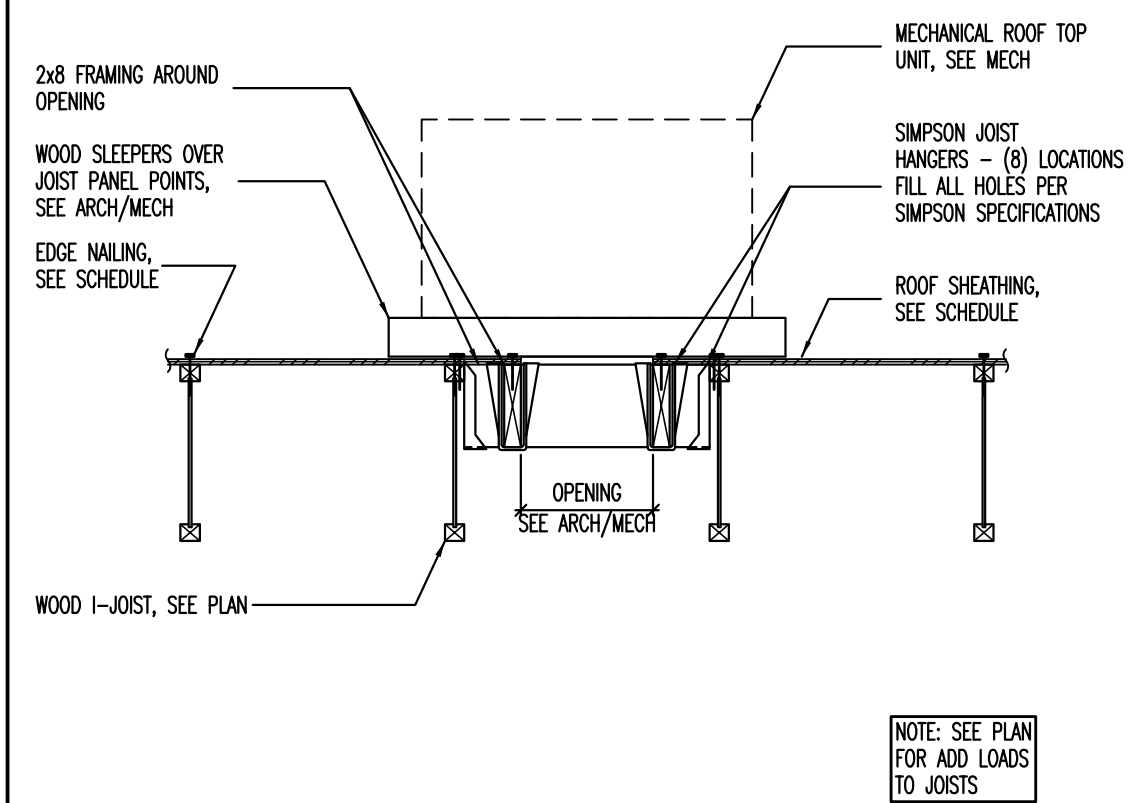
2 BUILT-UP DROP BEAM DETAILS
NO SCALE



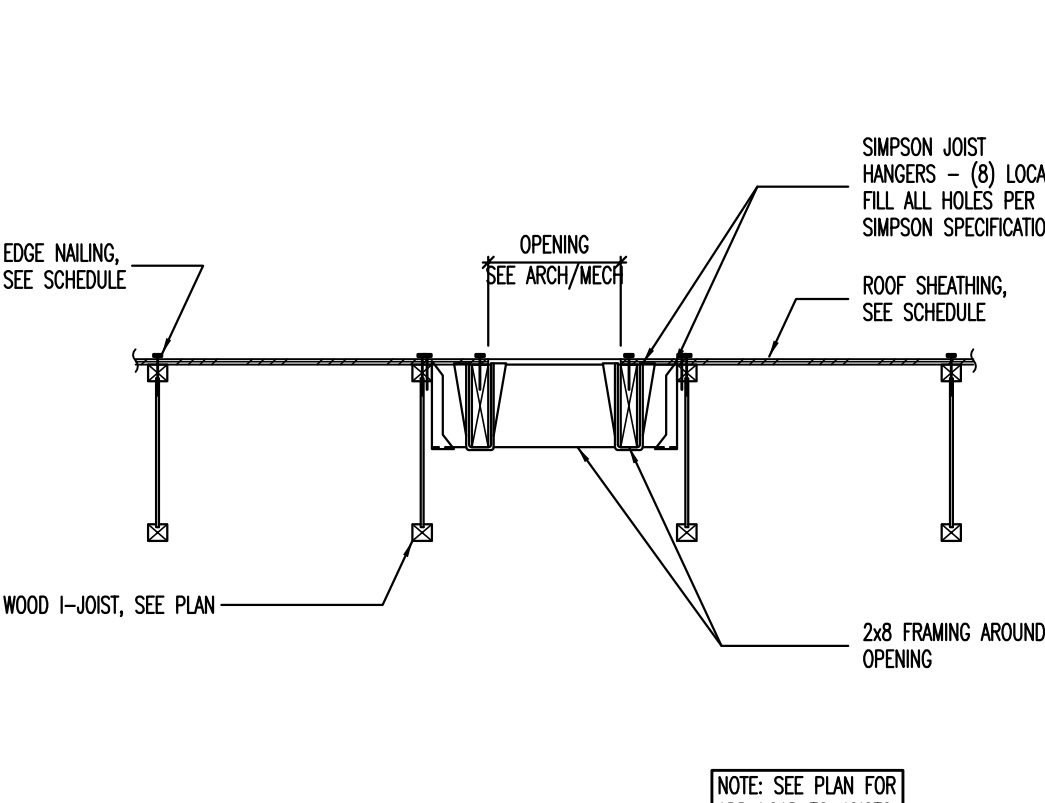
3 TYPICAL TOP PLATE SPLICE DETAIL
NO SCALE



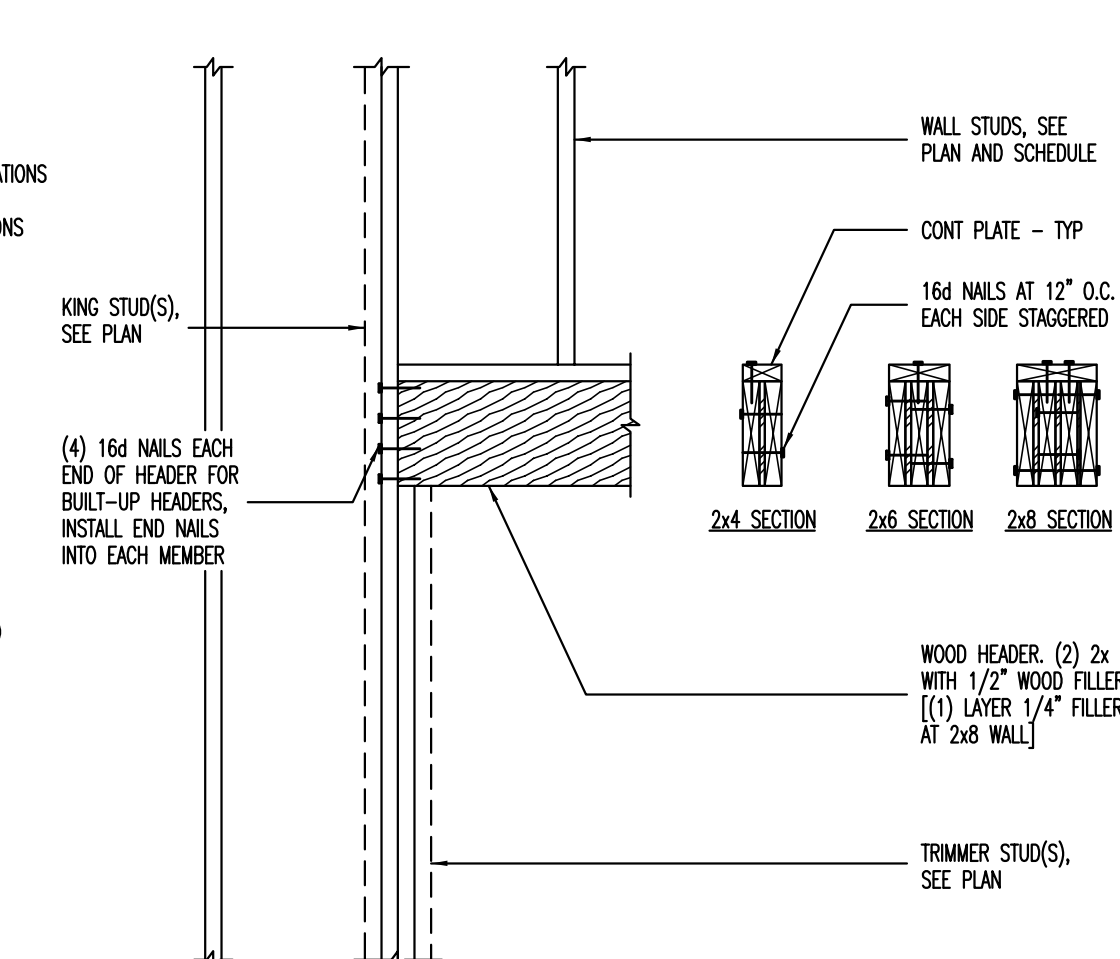
4 TOP PLATE SPLICE SCHEDULE AT PIPE
NO SCALE



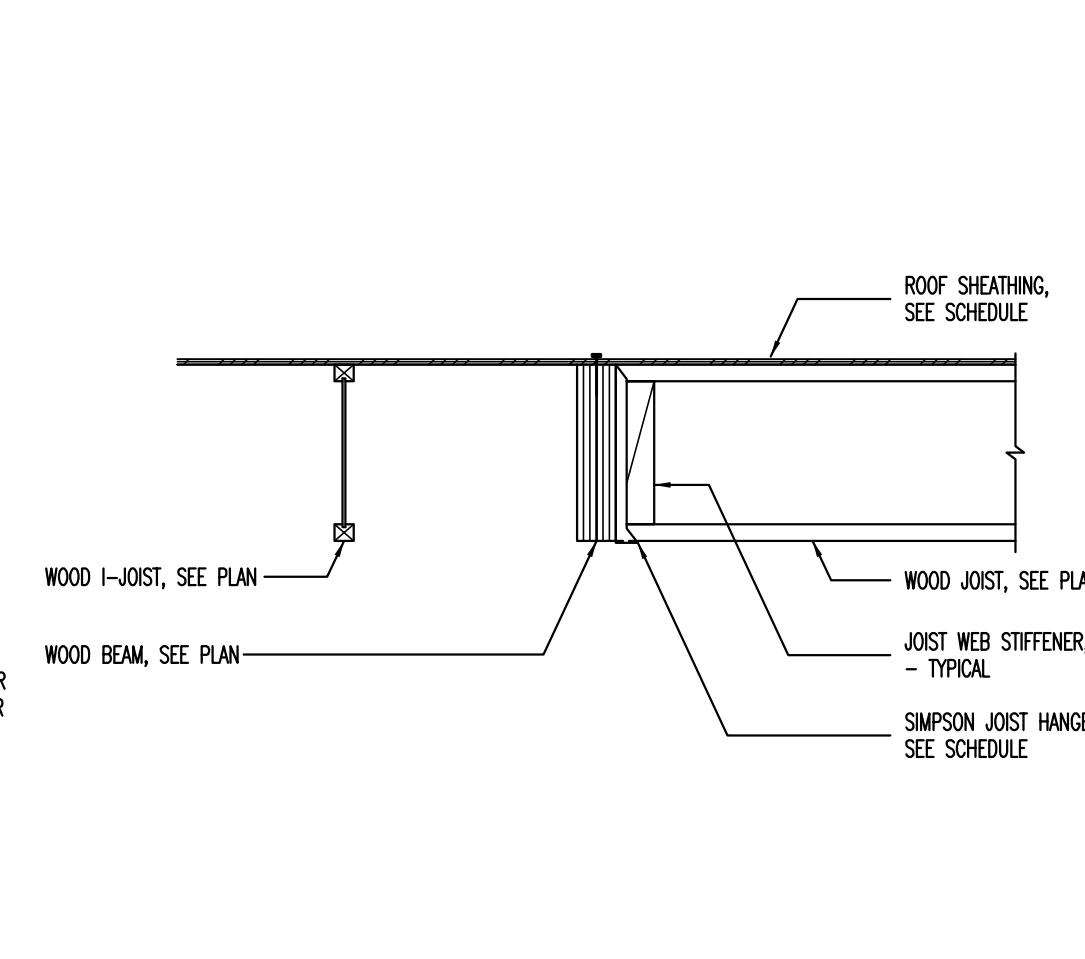
5 TYPICAL MECHANICAL UNIT SUPPORT DETAIL
NO SCALE



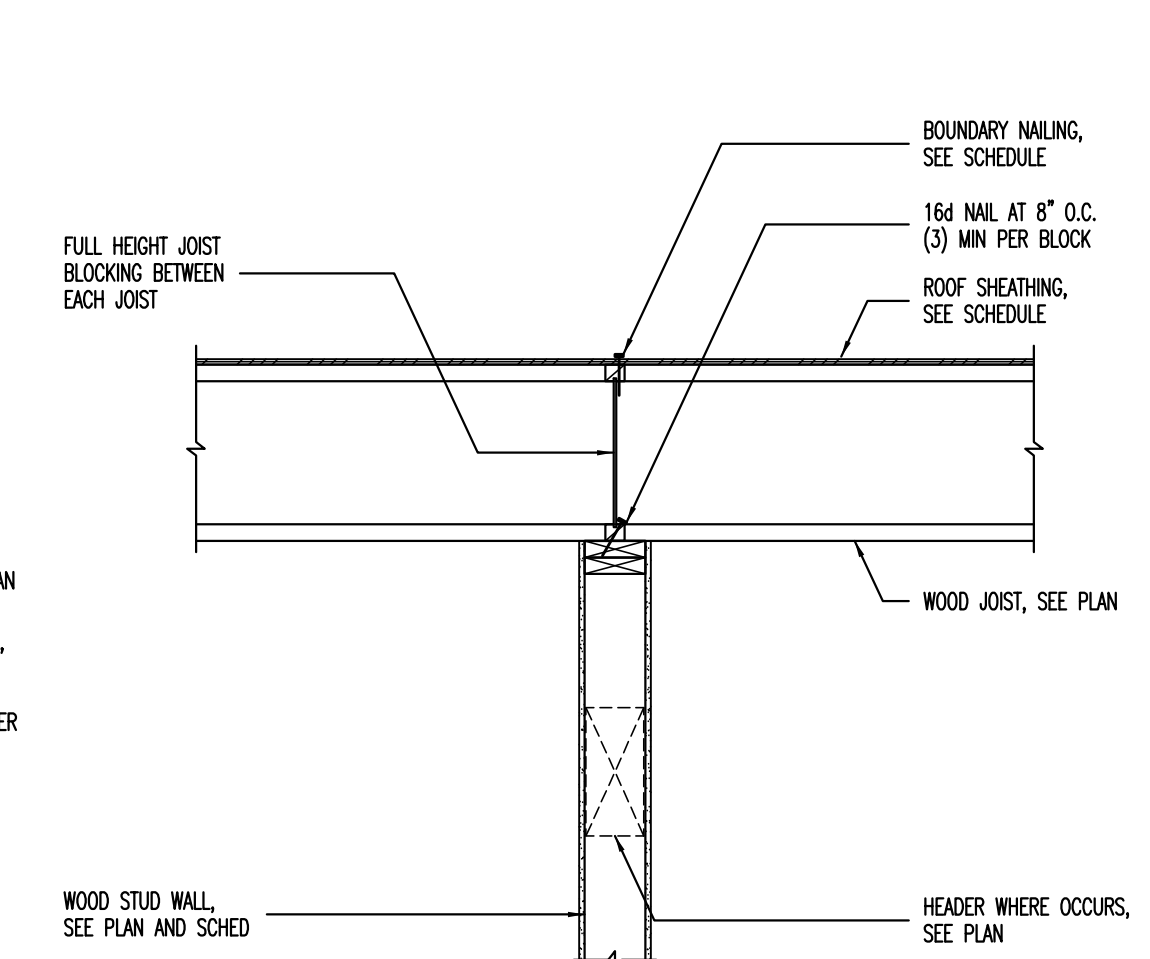
6 TYPICAL ROOF OPENING DETAIL
NO SCALE



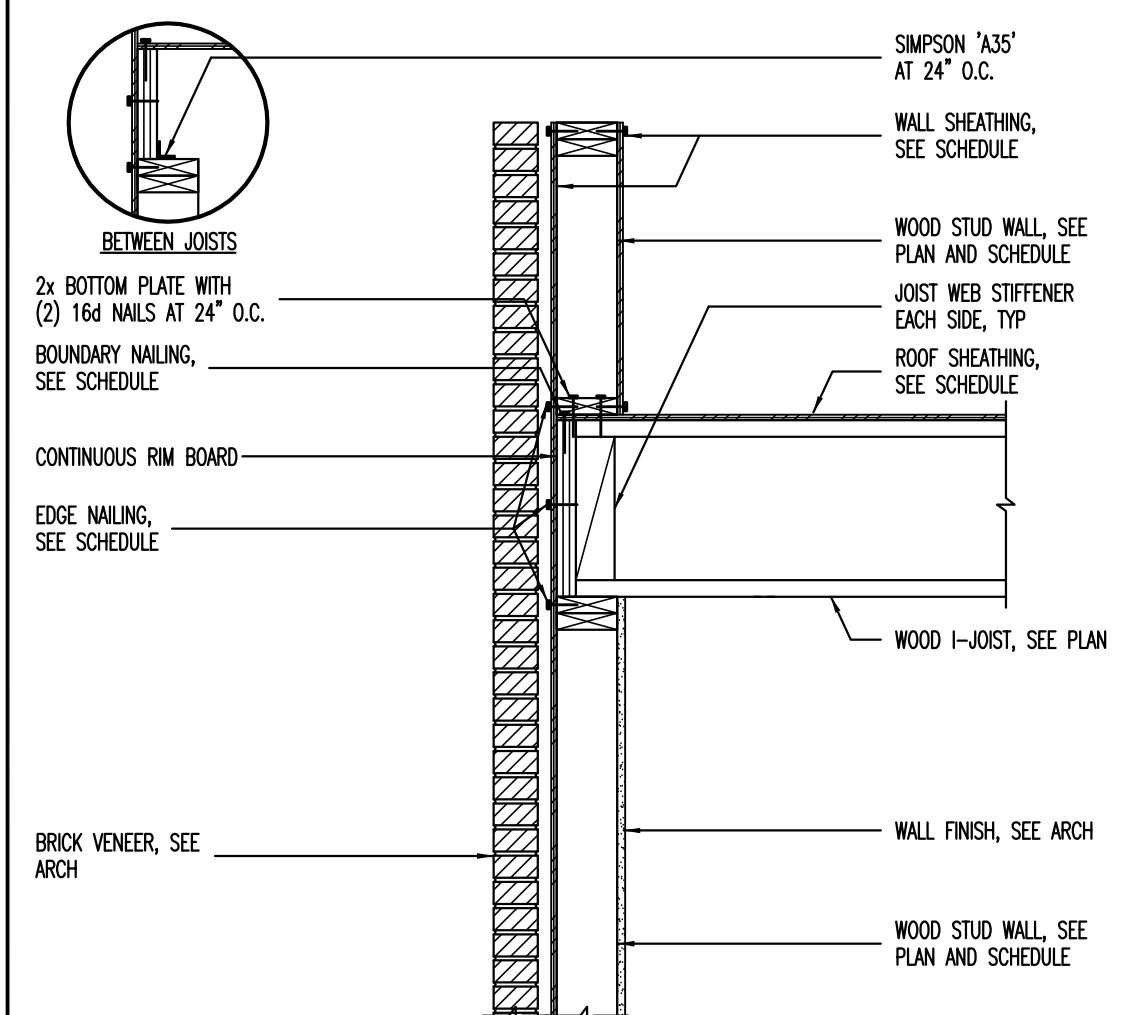
7 WOOD STUD HEADER BEARING SCHEDULE
NO SCALE



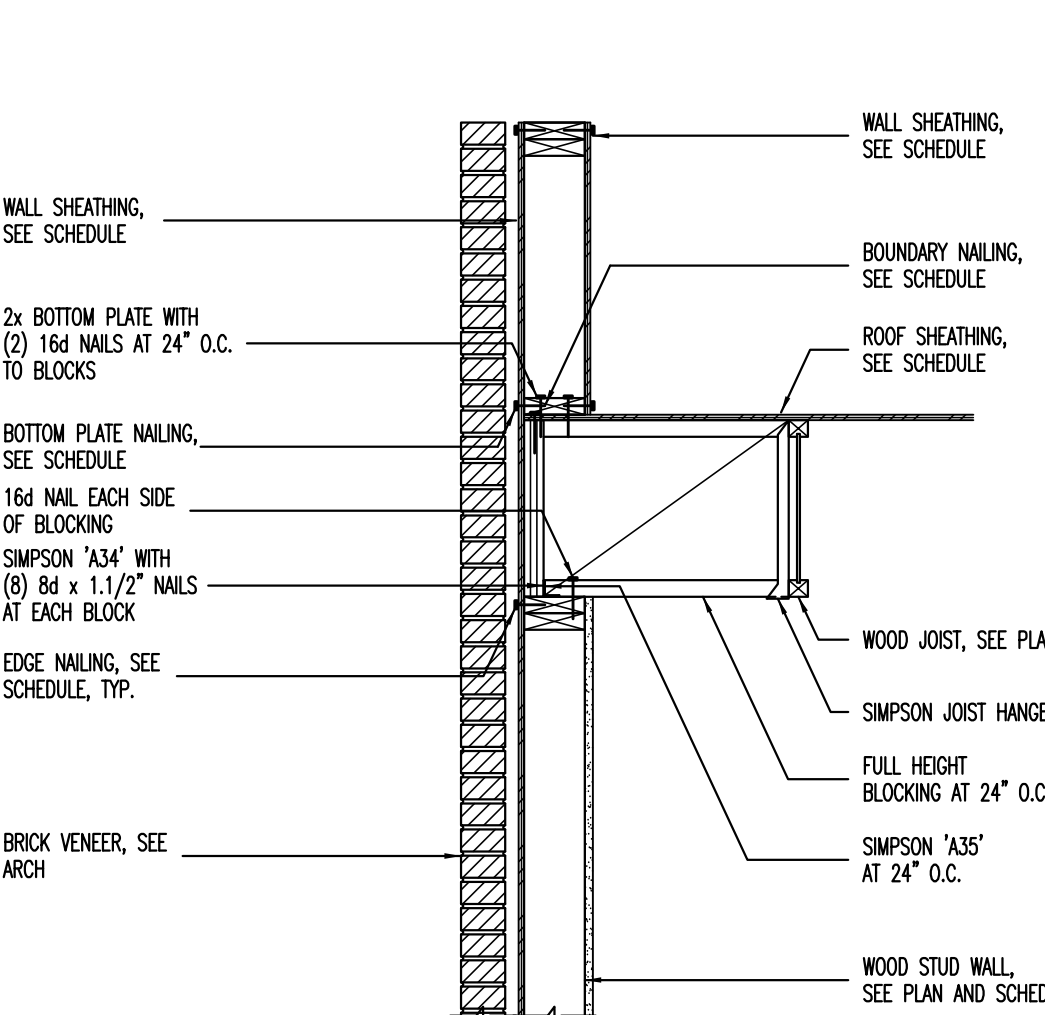
8 TYPICAL WOOD JOISTS BEARING AT WOOD BEAM
NO SCALE



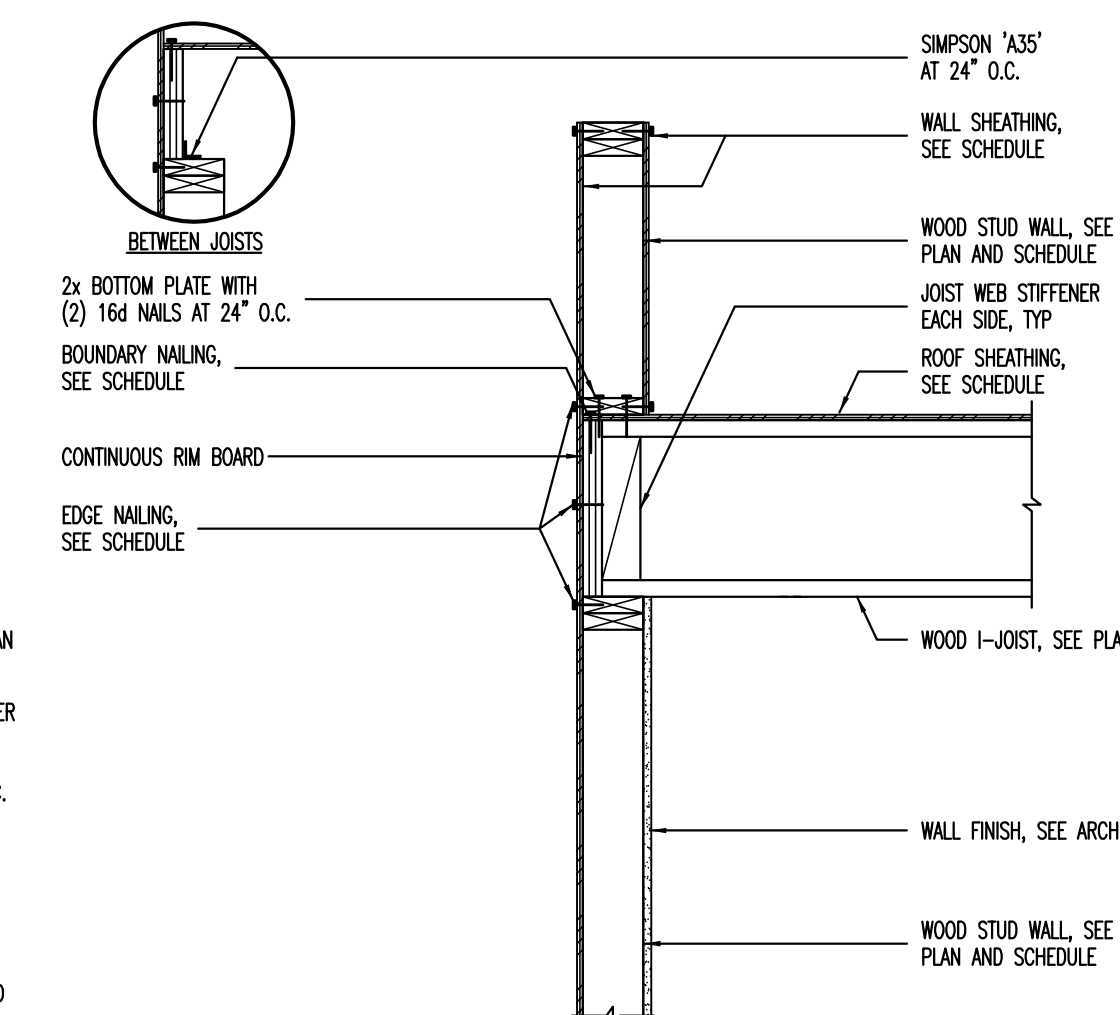
9 ROOF JOIST BEARING AT INTERIOR WOOD STUD WALL
NO SCALE



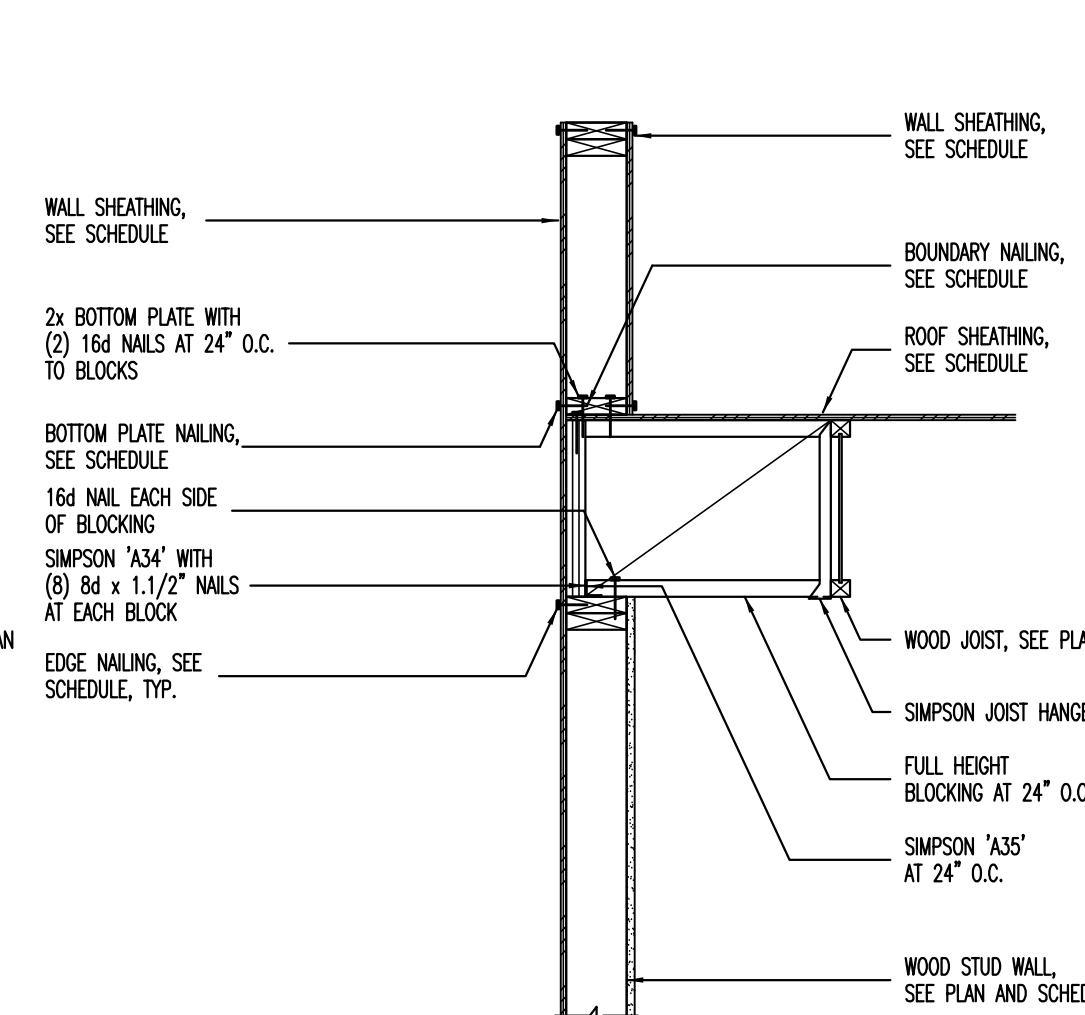
10 JOIST BEARING AT WOOD STUD WALL WITH PARAPET
NO SCALE



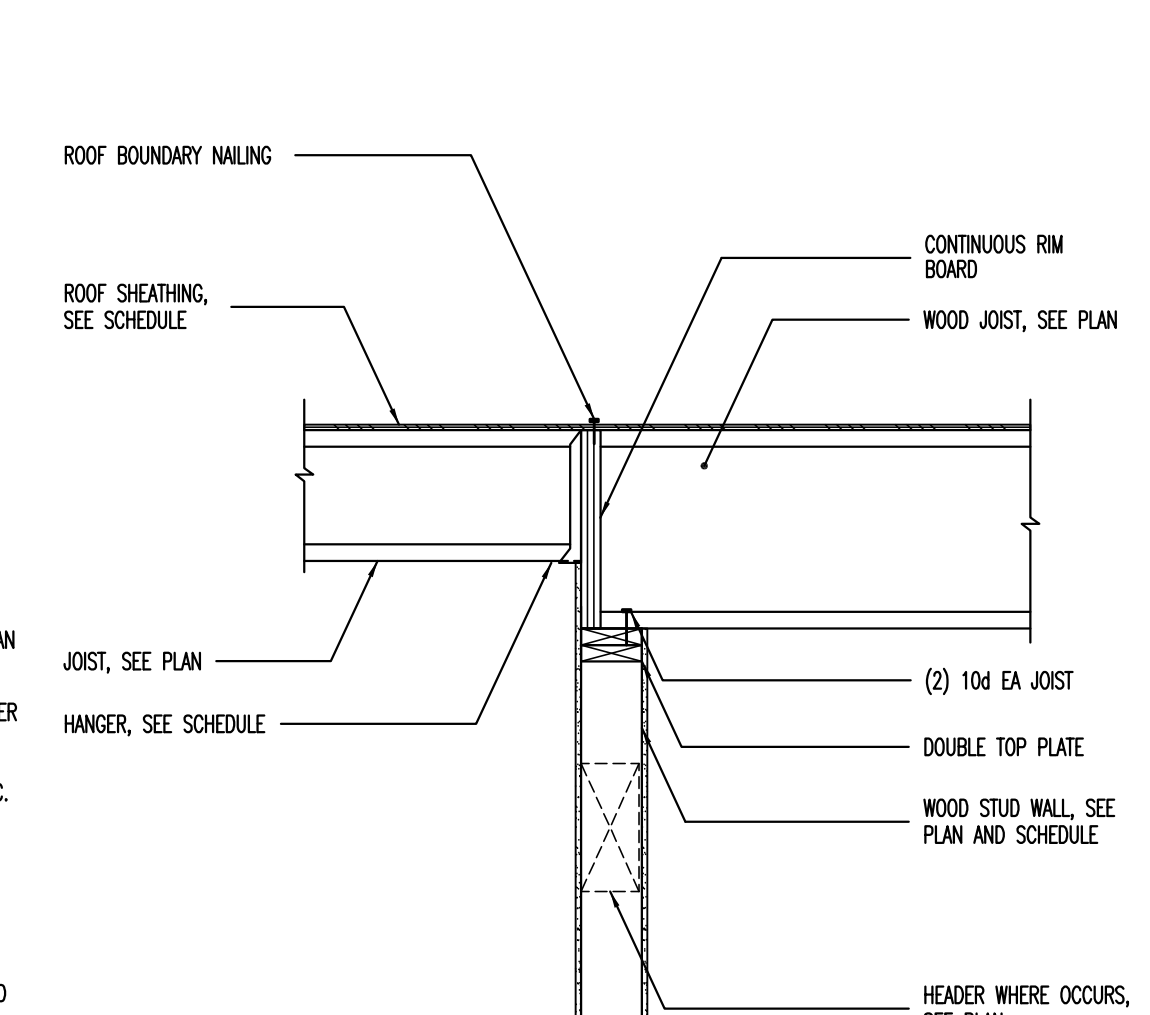
11 JOIST BEARING AT STUD WALL WITH PARAPET
NO SCALE



12 JOIST BEARING AT WOOD STUD WALL WITH PARAPET
NO SCALE



13 JOIST BEARING AT STUD WALL WITH PARAPET
NO SCALE



14 ROOF JOIST BEARING AT INTERIOR WOOD STUD WALL
NO SCALE

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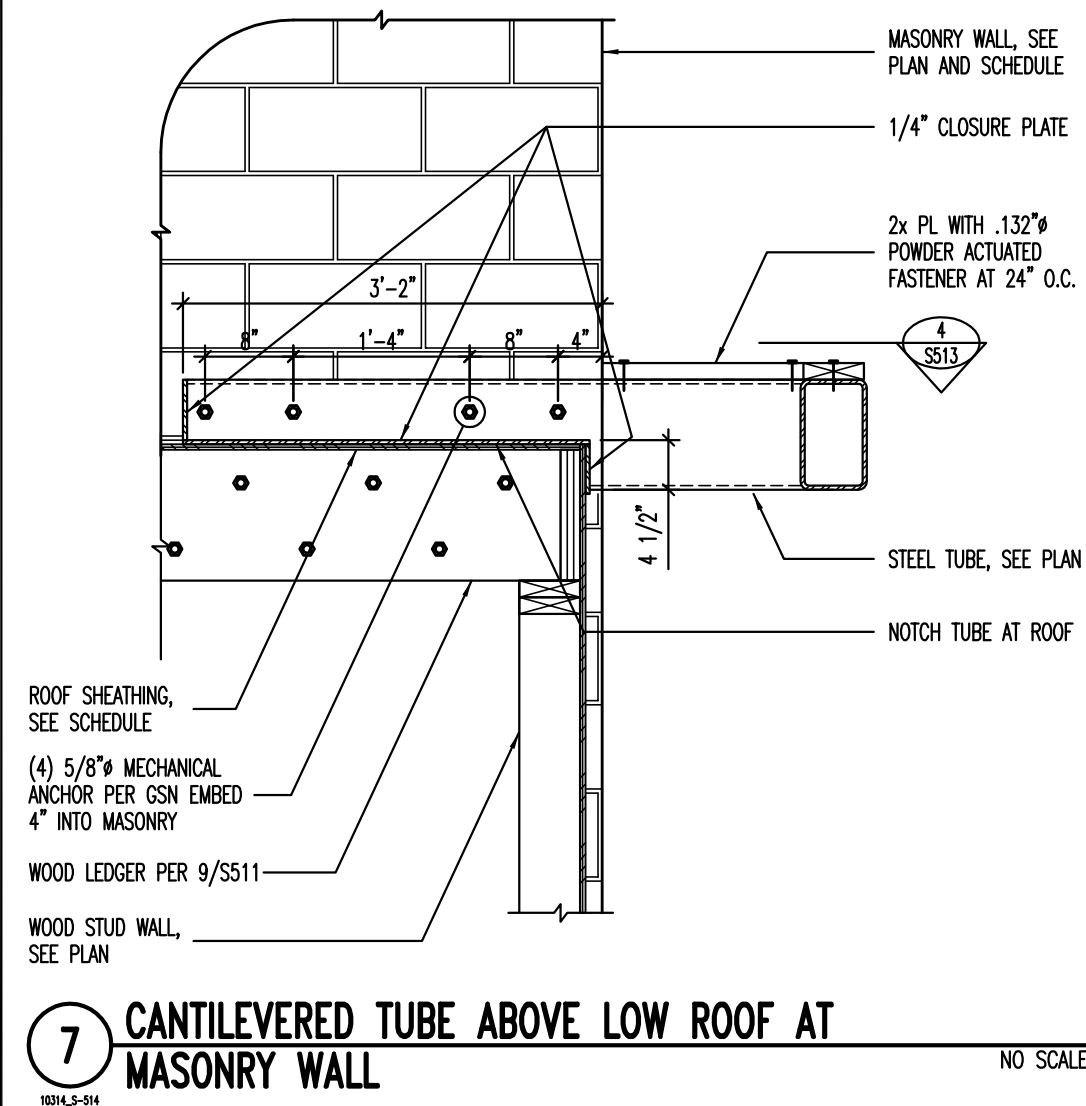
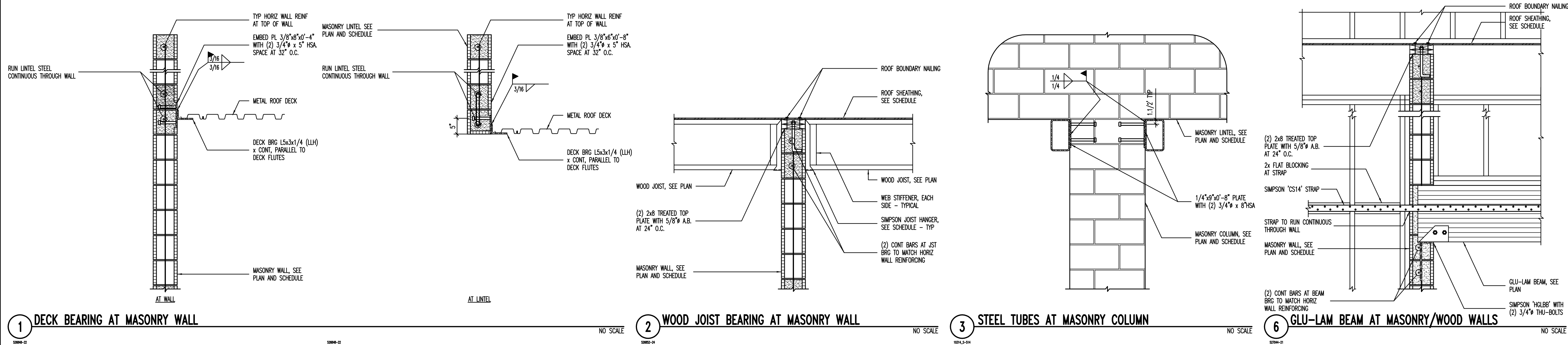
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ROOF
FAMING
DETAILS

S512





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ROOF
FAMING
DETAILS

S514

[illegible]

1. PLACE ALL FOOTING REINFORCING IN THE BOTTOM OF THE FOOTING WITH 3" CLEAR CONCRETE COVER (UNO).
2. TOP REINFORCING, WHERE OCCURS, SHALL BE PLACED IN THE TOP OF THE FOOTING WITH 2" MINIMUM CONCRETE COVER.
3. IF FOOTINGS ARE EARTH-FORMED, FOOTINGS SHALL BE 6" LONGER AND WIDER THAN SCHEDULED.
4. SEE GENERAL STRUCTURAL NOTES FOR ADDITIONAL REQUIREMENTS.
5. SOME SCHEDULED FOOTINGS MAY NOT BE USED, SEE FOOTING AND FOUNDATION PLAN FOR FOOTING MARKS.

SCHWAB, CONE, ITG-C2000-01500

BAR SIZE	f _c = 3000psi				f _c = 4000psi				f _c = 5000psi				f _c = 6000psi			
	REGULAR		TOP		REGULAR		TOP		REGULAR		TOP		REGULAR		TOP	
	CLASS	CLASS	CLASS		CLASS	CLASS	CLASS		CLASS	CLASS						
	A	B	A	B	A	B	A	B	A	B	A	B	A	B	A	B
#3	13"	17"	17"	21"	12"	16"	16"	21"	12"	16"	16"	21"	12"	16"	16"	21"
#4	17"	22"	22"	28"	15"	19"	19"	25"	13"	17"	17"	22"	12"	16"	16"	21"
#5	21"	27"	27"	35"	18"	24"	24"	31"	16"	21"	21"	27"	15"	19"	19"	25"
#6	27"	36"	36"	46"	24"	31"	31"	40"	21"	28"	28"	36"	20"	25"	25"	33"
#7	37"	48"	48"	63"	32"	42"	42"	54"	29"	38"	38"	49"	27"	34"	34"	44"
#8	49"	64"	64"	82"	42"	55"	55"	71"	38"	49"	49"	64"	35"	45"	45"	58"
#9	62"	80"	80"	104"	54"	70"	70"	90"	48"	62"	62"	81"	44"	57"	57"	74"
#10	78"	102"	102"	132"	68"	88"	88"	115"	61"	79"	79"	102"	56"	72"	72"	94"
#11	96"	125"	125"	162"	83"	108"	108"	141"	76"	97"	97"	126"	68"	88"	88"	115"

1. THIS SCHEDULE MAY BE USED FOR ALL BAR SPACES IN CONCRETE WALLS, UNLESS NOTED OTHERWISE.
2. CLASS 'A' SPACES MAY BE USED ONLY IN CASES WHERE 500R OR LESS OF THE BARS ARE SPACED WITHIN THE LAP SPACE LENGTH.
3. CLASS 'B' SPACES MAY BE USED FOR ALL BAR SPACES UNLESS THE REQUIREMENTS OF NOTE NO. 2 ABOVE ARE MET.
4. TIES AND STRIPPS SHALL NOT BE SPICED.
5. SPACES FOR BUNDLED BARS:
 - a. FOR BUNDLED BARS OF THREE OR LESS, LAP SPACE LENGTHS SHALL BE MULTIPLIED BY 1.2.
 - b. FOR BUNDLED BARS OF FOUR OR MORE, LAP SPACE LENGTHS SHALL BE MULTIPLIED BY 1.33.
 - c. INDIVIDUAL BAR SPACES WITHIN A BUNDLE SHALL NOT OVERLAP.
 - d. ENTIRE BUNDLES SHALL NOT BE LAP SPICED.
6. FOR ALL LIGHTWEIGHT CONCRETE, LAP LENGTHS SHALL BE MULTIPLIED BY 1.3.
7. FOR TOP BARS AND 1.5 FOR REGULAR BARS.
8. TOP BARS ARE CLASSIFIED AS HORIZONTAL BARS WHERE 12" OR MORE OF FRESH CONCRETE IS CAST BELOW THE REINFORCING BAR.
9. SEE GENERAL STRUCTURAL NOTES FOR ADDITIONAL REQUIREMENTS.

2
SCHED CODE: BONE-11

CONCRETE WALL SCHEDULE					
MARK	THICKNESS	REINFORCING		WALL TYPE	COMMENTS
		VERTICAL	HORIZONTAL		
CW-9A	6"	#4 AT 12" O.C.	#4 AT 12" O.C.	#5 BAR	A
CW-9A	9"	#4 AT 18" O.C. E.F.	#4 AT 16" O.C.	#5 BAR	C
CW-12A	12"	#4 AT 18" O.C. E.F.	#4 AT 16" O.C.	(2) #5 BARS	C

1. SEE GENERAL STRUCTURAL NOTES FOR ADDITIONAL REQUIREMENTS.
2. CONCRETE FOUNDATION WALLS NOT DESIGNATED ON PLANS SHALL BE REINFORCED AS FOLLOWS:

WALL REINFORCING PLACEMENT TYPES:

The diagram illustrates two cross-sectional types of reinforced concrete walls. Type 'A' features vertical reinforcing bars and horizontal reinforcing bars. Type 'B' features vertical reinforcing bars and horizontal ties. Labels indicate 'VERTICAL REINFORCING' and 'HORIZONTAL REINFORCING' for Type 'A', and 'TYPE 'A'' and 'TYPE 'B'' for the respective diagrams.

3
2010 CODE: 111-0

MARK	PIER SIZE	REINFORCING		TYPE	COMMENTS
		VERTICAL	TIES		
CP-16A	WT x 16"	(4) #5 BARS	#3 AT 8" O.C.	A	
CP-16B	WT x 16"	(7) #4 BARS	(2) #3 AT 8" O.C.	B	

1. INSTALL (3) SETS OF TIES WITHIN TOP 5" OF ALL PIERS (UNO).
2. RUN HORIZONTAL CONCRETE WALL REINFORCING CONTINUOUS THROUGH PIER WHEN PIER IS POURED MONOLITHICALLY WITH CONCRETE WALL.
3. SEE GENERAL STRUCTURAL NOTES FOR ADDITIONAL REQUIREMENTS.

TYPE "A"

4
SCHED. CONC. PIER-2

EPOXY DOWEL EMBED SCHEDULE	
DOWEL SIZE	MINIMUM EMBEDMENT INTO EXISTING CONCRETE
#4	6.1/2"
#5	7.1/2"
#6	10"
#7	1'-1"
#8	1'-4"

SOE8.CONC.EPOXY-0

MARK	SIZE	STEEL BASE PLATE	STEEL CAP PLATE	COMMENTS
SC-35A	HSS3.1/2x3.1/2x1/4	3/4" (SBR-3)	NONE	
SC-3A	HSS3x2x1/4	3/4" (SBR-2)	1/2" (SCP-1)	
SC-5B	5" STD PIPE	3/4" (SBR-1)	NONE	
SC-5C	HSS3x5x5/16	3/4" (SBR-2)	1/2" (SCP-1)	

1. UNLESS NOTED OTHERWISE, ALL COLUMNS SHALL BE INSTALLED WITH (4) 3/4" ANCHOR RODS WITH 3" MINIMUM HOOKS. PROJECT ANCHOR RODS 3" MINIMUM ABOVE THE TOP OF THE BASE PLATE. EMBEDMENT SHALL BE 9" MINIMUM. ALL RODS SHALL BE INSTALLED WITH HARDENED WASHERS BENEATH THE NUT. ANY BOLT HOLES LARGER THAN THE ROD DIAMETER PLUS 5/16" SHALL HAVE 5/16" PLATE WASHERS INSTALLED BENEATH THE HARDENED WASHERS.
2. ANCHOR RODS SHALL NOT BE WELDED (INCLUDING TACK WELDS).
3. SEE GENERAL STRUCTURAL NOTES FOR ADDITIONAL REQUIREMENTS.
4. SEE DETAIL 6/S503 FOR COLUMNS EMBEDDED IN WOOD STUD WALLS.

BASE PLATE SRP-1

BASE PLATE SRP-2

BASE PLATE SRP-3

CAP PLATE SCP-1

co = 1/2" MINIMUM
ed = 1.1/2" MINIMUM
sp = 3" MINIMUM
bc = BEAM OR GIRDER GAGE
w = BEAM OR GIRDER GAGE + 3"
OR
BEAM OR GIRDER WIDTH + 1"
OR
COLUMN WIDTH + 1"
WHICHEVER IS GREATER

00-00-00-00

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S601

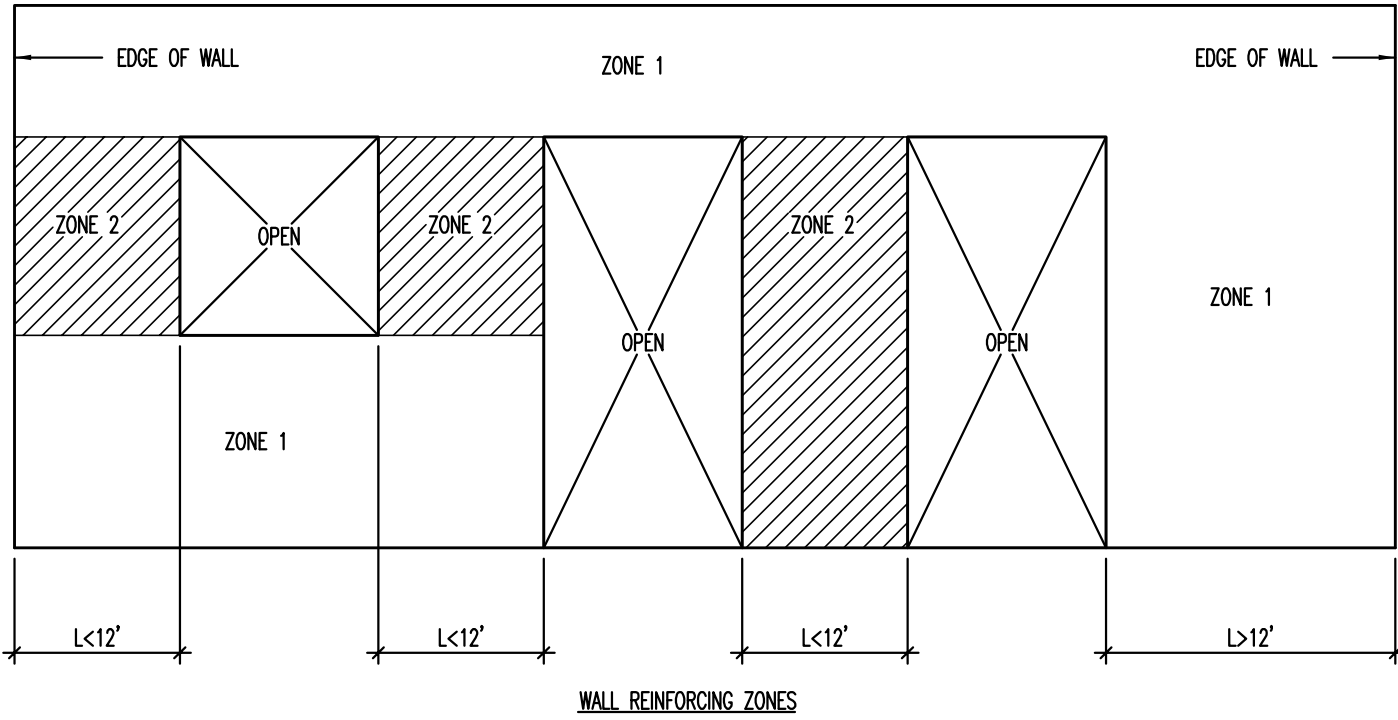
MASONRY WALL SCHEDULE						
MARK	THICKNESS	MATERIAL	SOLID GROUT	REINFORCING		
				VERTICAL	HORIZONTAL	JOINTS
MW-BA	8"	CMU	YES	#5 BAR AT 32" O.C.	SEE HORIZ SCHED BLW	NONE
MW-BB	8"	CMU	YES	#5 BAR AT 24" O.C.	SEE HORIZ SCHED BLW	NONE
MW-BC	8"	CMU	YES	#5 BAR AT 32" O.C.	SEE HORIZ SCHED BLW	NONE
						OFFSET BLOCK PER ARCH

- MASONRY WALL NOTES:
- COORDINATE WALL FINISHES, MATERIALS, COURSING, ETC. WITH ARCHITECTURAL DRAWINGS.
 - DO NOT SOLID GROUT WALLS UNLESS REQUIRED BY SCHEDULE, NOTES, OR DETAILS.
 - SOLID GROUT ALL MASONRY COURSES BELOW GRADE.
 - VERTICAL REINFORCING SHALL BE CENTER IN WALL (UNO).
 - PROVIDE TWO VERTICAL BARS (MIN) AT ALL CORNERS AND END OF WALLS.
 - HORIZONTAL WALL REINFORCING SHALL BE PLACED BETWEEN VERTICAL MASONRY COLUMN REINFORCING BARS.
 - HORIZONTAL WALL REINFORCING SHALL CONTINUE THROUGH MASONRY LINTELS. WHERE BOTH HORIZONTAL WALL REINFORCING AND LINTEL REINFORCING OCCUR IN THE SAME COURSE, USE THE LARGER REINFORCING.
 - MASONRY WALL NOT DESIGNATED IN THE PLANS SHALL BE REINFORCED AS FOLLOWS:

- THICKNESS VERTICAL REINFORCING HORIZONTAL REINFORCING
- 8" #5 BARS AT 32" O.C. #5 BARS AT 48" O.C.
9. SEE GENERAL STRUCTURAL NOTES FOR ADDITIONAL REQUIREMENTS.

HORIZONTAL REINFORCING SCHEDULE		
WALL LENGTH (L)	HORIZONTAL REINFORCING	COMMENTS
L ≥ 12'-0"	#5 AT 48" O.C.	ZONE 1
6'-0" ≤ L < 12'-0"	#5 AT 24" O.C.	ZONE 2
4'-0" ≤ L < 6'-0"	#4 AT 16" O.C.	ZONE 2
L < 4'-0"	#4 AT 8" O.C.	USE #5 AT 48" O.C. WHERE MASONRY COLUMN TIES ARE AT 8" O.C.

- MASONRY WALL ZONE NOTES:
- L INDICATES LENGTH OF WALL PIER.
- ZONE 1 = WALLS LONGER THAN 12'-0" (L > 12'-0")
- ZONE 2 = WALLS SHORTER THAN 12'-0" (L < 12'-0")

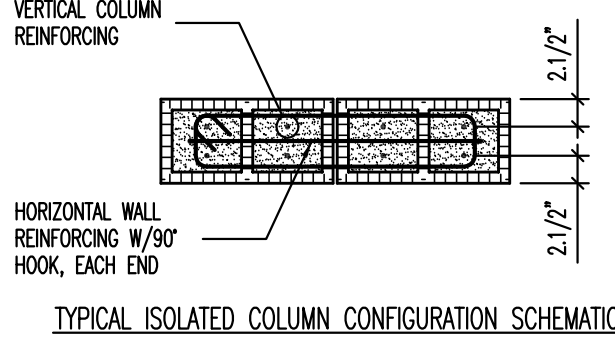
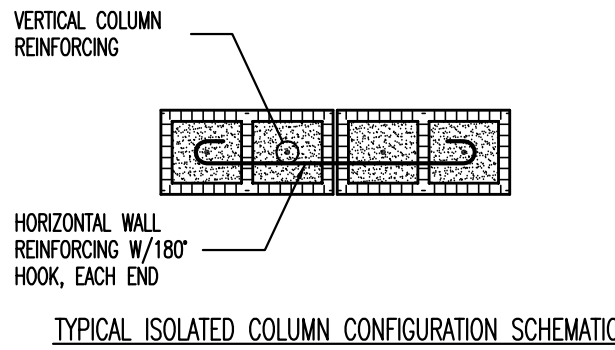
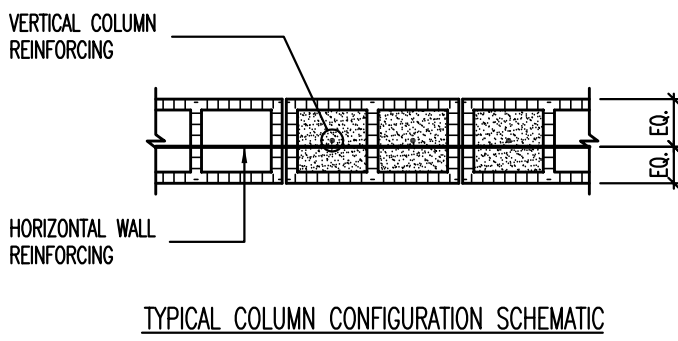
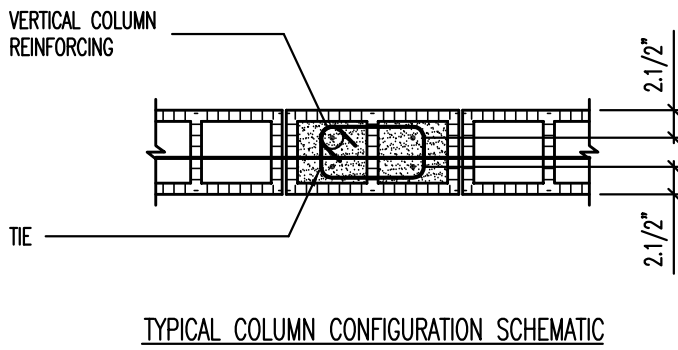


1 MASONRY WALL SCHEDULE

NO SCALE

MASONRY COLUMN SCHEDULE			
MARK	SIZE	REINFORCING	
		VERTICAL	TIES
MC-16A	WTx16"	(2) #5	NONE
MC-16B	WTx16"	(4) #5	#2 AT 8" O.C.
MC-24A	WTx24"	(3) #5	NONE
MC-24B	WTx24"	(6) #5	#2 AT 8" O.C.
MC-32A	WTx32"	(4) #5	NONE
MC-32B	WTx32"	(8) #5	#2 AT 8" O.C.
MC-48B	WTx48"	(12) #5	#2 AT 8" O.C.
MC-72A	WTx72"	(9) #5	NONE

- MASONRY COLUMN NOTES:
- THE CENTERLINE OF THE VERTICAL BARS SHALL BE LOCATED 2 1/2" FROM THE FACE OF THE MASONRY. HORIZONTAL WALL REINFORCING SHALL BE LOCATED TO THE INSIDE OF THE VERTICAL BARS.
 - VERTICAL REINFORCING AND TIES SHALL EXTEND FULL HEIGHT OF WALL (UNO).
 - VERTICAL MASONRY COLUMN REINFORCING SHALL EXTEND INTO THE FOOTING AND TERMINATE WITH A STANDARD 90° HOOK. FOR CONCRETE FOUNDATION WALLS TALLER THAN 5'-0", VERTICAL COLUMN REINFORCING SHALL DOWEL 4'-0" MINIMUM INTO THE FOUNDATION WALL.
 - IN CONCRETE FOUNDATION WALLS, VERTICAL MASONRY COLUMN REINFORCING SHALL BE TIED WITH #3 TIES AT THE SAME SPACING AND CONFIGURATION AS THE MASONRY COLUMN ABOVE.
 - SEE GENERAL STRUCTURAL NOTES FOR ADDITIONAL REQUIREMENTS.

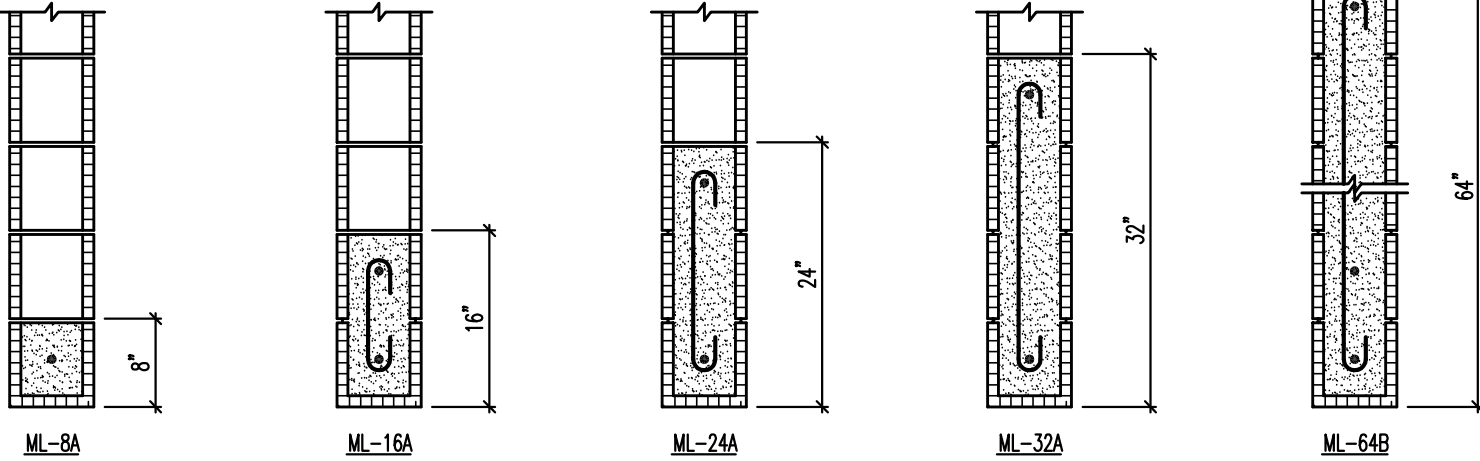


2 MASONRY COLUMN SCHEDULE

NO SCALE

MASONRY LINTEL SCHEDULE					
MARK	DEPTH	MAXIMUM SPAN FOR UNSCHEDULED OPENINGS	REINFORCING		COMMENTS
			HORIZONTAL	STIRRUPS	
ML-BA	8"	3'-4"	(1) #7 x CONT	NONE	
ML-16A	16"	6'-0"	(1) #7 x CONT TOP AND BOTTOM	#4 AT 8" O.C.	
ML-24A	24"	8'-0"	(1) #7 x CONT TOP AND BOTTOM	#4 AT 8" O.C.	
ML-32A	32"	10'-0"	(1) #7 x CONT TOP AND BOTTOM	#4 AT 8" O.C.	
ML-64B	64"	19'-0"	(1) #7 x CONT, TOP (2) #7 x CONT, BOTTOM	#4 AT 8" O.C.	

- MASONRY LINTEL NOTES:
- LINTEL WIDTH AND MATERIAL TYPE SHALL BE THE SAME AS THE WALL IN WHICH THE LINTEL IS CONSTRUCTED.
 - GROUT MASONRY LINTELS MONOLITHICALLY WITH THE SUPPORT WALL OR COLUMN AT EACH END.
 - MASONRY LINTELS ML-BA, ML-16A, ML-24A, AND ML-32A SHALL BE USED OVER OPENINGS IN MASONRY WALLS WHEN A SPECIFIC MASONRY LINTEL IS NOT OTHERWISE SPECIFIED. WHEN A LINTEL IS SPECIFIED ON THE PLANS, THE MAXIMUM SPAN AS NOTED IN THIS SCHEDULE SHALL NOT APPLY. CONSULT THE STRUCTURAL ENGINEER FOR LINTELS NOT SPECIFIED ON THE PLANS WHICH HAVE A SPAN GREATER THAN 10'-0".
 - MASONRY LINTELS ML-BA, ML-16A, ML-24A, AND ML-32A SHALL NOT BE LOCATED DIRECTLY BELOW FLOOR OR ROOF BEAMS OR ORDERS UNLESS NOTED OTHERWISE ON THE PLANS. JOISTS SHALL NOT BEAR ON ANY LINTEL LESS THAN 16" DEEP. CONSULT THE STRUCTURAL ENGINEER FOR LINTELS NOT SHOWN ON THE PLANS WHICH ARE LOCATED DIRECTLY BELOW FLOOR OR ROOF BEAMS OR ORDERS.
 - EXTEND ALL HORIZONTAL REINFORCING 48 BAR DIAMETERS MINIMUM BEYOND THE EDGE OF ALL OPENINGS. IF HORIZONTAL REINFORCING CANNOT EXTEND 48 BAR DIAMETERS BEYOND EDGE OF OPENING, PROVIDE 90° STANDARD HOOK.
 - SPLICE TOP BARS AT MIDSPAN OF LINTEL ONLY AND BOTTOM BARS OVER SUPPORTS ONLY.
 - HORIZONTAL WALL REINFORCING SHALL CONTINUE THROUGH MASONRY LINTELS. WHERE BOTH HORIZONTAL WALL REINFORCING AND LINTEL REINFORCING OCCUR IN THE SAME COURSE, USE THE LARGER REINFORCING.
 - DOWEL VERTICAL REINFORCING OF WALL ABOVE LINTEL INTO THE FULL DEPTH OF LINTEL OR 48 BAR DIAMETERS, WHICHEVER IS LESS.
 - SEE GENERAL STRUCTURAL NOTES FOR ADDITIONAL REQUIREMENTS.



3 MASONRY LINTEL SCHEDULE

NO SCALE

MASONRY REINFORCING LAP SCHEDULE		
BAR SIZE	(1) BAR PER CELL	(2) BARS PER CELL
#3	18"	18"
#4	24"	24"
#5	34"	34"
#6	37"	68"
#7	52"	92"
#8	79"	161"

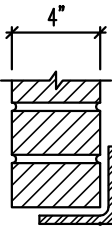
2009 BC

4 MASONRY REINFORCING LAP SCHEDULE (2000psi)

NO SCALE

VENEER LINTEL SCHEDULE	
CLEAR OPENING	SIZE OF ANGLE
UP TO 5'-0"	L3.1/2x3x1/4
5'-1" TO 7'-0"	L3.1/2x3.1/2x1/4
7'-1" TO 9'-0"	L5x3.1/2x1/4
9'-1" TO 10'-0"	L5x3.1/2x5/16
10'-1" TO 11'-0"	L5x3.1/2x3/8
11'-1" TO 12'-0"	L6x6x3/8
12'-1" AND OVER	REQUIRES SPECIAL ANALYSIS

- NOTE:
- LINTELS CARRY VENEER ONLY. WHERE FLOORS, ROOFS, OR CONCENTRATED LOADS OCCUR, FURTHER ANALYSIS IS NECESSARY. PROVIDE 1" OF BEARING AT EACH END FOR EACH FOOT OF SPAN. MINIMUM BEARING OF 6" EACH SIDE OF OPENING. USE THIS SCHEDULE UNLESS NOTED OTHERWISE. STEEL ANGLES SHALL BE GALVANIZED AT EXTERIOR CONDITIONS.



5 VENEER LINTEL SCHEDULE

NO SCALE

CONSTRUCTION DOCUMENTS

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MASONRY
 SCHEDULES

S602

LEGEND OF MECHANICAL SYMBOLS AND ABBREVIATIONS

MECHANICAL

	POSITIVE PRESSURE DUCT - RISE
	POSITIVE PRESSURE DUCT - DROP
	NEGATIVE PRESSURE DUCT - RISE
	NEGATIVE PRESSURE DUCT - DROP
	ROUND DUCT - RISE
	ROUND DUCT - DROP
	UNDER FLOOR DUCT
	TURNING VANES
	FRESH AIR LOUVER
	RELIEF AIR OR EXHAUST AIR LOUVER
	CEILING SUPPLY DIFFUSER
	CEILING RETURN REGISTER
	CEILING EXHAUST REGISTER (BALANCE TO MATCH SUPPLY IF RETURN CFM IS NOT SHOWN)
	SIDEWALL SUPPLY REGISTER
	SIDEWALL EXHAUST OR RETURN REGISTER
	CEILING SUPPLY DIFFUSER WITH FLEXIBLE DUCT
	CEILING AIR GRILLE WITH FLEXIBLE DUCT
	CEILING RETURN AIR GRILLE W/ SOUND BOOT
	LINEAR DIFFUSER WITH PLENUM AND FLEXIBLE DUCT CONNECTION. NO. OF SLOTS & SIZE OF SLOT ON TOP, ACTIVE LENGTH AND CFM ON BOTTOM
	FLEXIBLE DUCT CONNECTION
	FLEXIBLE DUCT
	FAN
	FLAT OVAL DUCT WITH NET INSIDE DIMENSIONS SHOWN IN INCHES.
	RECTANGULAR DUCT WITH NET INSIDE DIMENSIONS SHOWN IN INCHES.
	ROUND DUCT WITH NET INSIDE DIMENSIONS SHOWN IN INCHES.
	INCLINED RISE
	INCLINED DROP
	R/W=1. ROUND DUCT SIMILAR TO RECTANGULAR
	RECTANGULAR TO RECTANGULAR OR ROUND TO ROUND DUCT TRANSFORMATION MAXIMUM 15° INCLUDED ANGLE EXCEPT WHERE SHOWN OTHERWISE.
	RECTANGULAR TO ROUND DUCT TRANSFORMATION
	BRANCH DUCT SPLIT WITH 6" WIDTH AND MIN. R=WIDTH OF BRANCH DUCT DOWNSTREAM. ELBOW TURNING VANE OPTIONAL.
	TAP ENTRY AREA EQUALS 150% OF BRANCH AREA
	HIGH EFFICIENCY FITTING
	MANUAL VOLUME DAMPER
	FIRE DAMPER IN DUCT, W/ ACCESS PANEL REQD.
	COMBINATION FIRE/SMOKE DAMPER W/ ACCESS PANEL
	SMOKE DAMPER W/ ACCESS PANEL
	BACK DRAFT DAMPER
	ATC DAMPER
	ACCESS PANEL IN DUCT OR PLENUM
	HEATING OR COOLING COIL IN DUCT
	SINGLE DUCT AIR TERMINAL BOX VARIABLE OR CONSTANT VOLUME. MIN. 1-1/2" TERMINAL INLET SIZE STRAIGHT DUCT AT TERMINAL INLET.
	4-WAY BLOW PATTERN
	3-WAY BLOW PATTERN
	2-WAY BLOW PATTERN
	2-WAY BLOW PATTERN
	1-WAY BLOW PATTERN
	DUCT SMOKE DETECTOR
	UNIT HEATER

PLUMBING

	FLOOR SINK
	FLOOR DRAIN
	FLOOR CLEAN-OUT OR CLEAN-OUT TO GRADE
	ROOF DRAIN
	DOWNSPOUT NOZZLE
	ARROW INDICATES DIRECTION OF FLOW IN PIPE
	CHECK VALVE
	PRESSURE REDUCING, EXTERNAL PRESSURE VALVE
	PRESSURE REDUCING, SELF CONTAINED VALVE
	ATC VALVE - 2 WAY
	ATC VALVE - 3 WAY
	SOLENOID VALVE
	GATE VALVE
	GATE VALVE - NON RISING STEM
	GLOBE VALVE
	TEMPERATURE AND PRESSURE TEST PORT
	PRESSURE SWITCH
	GAS COCK
	CALIBRATED BALANCING VALVE WITH GPM INDICATED
	REDUCED PRESSURE BACKFLOW PREVENTOR W/ DRAIN PAN
	BRANCH - BOTTOM CONNECTION
	BRANCH - TOP CONNECTION
	BRANCH - SIDE CONNECTION
	RISE OR DROP
	RISER - DOWN (ELBOW)
	RISER - DOWN (ELBOW)
	VENT THRU ROOF
	WATER HAMMER ARRESTOR
	INLINE PUMP
	INLINE PUMP
	CLEAN-OUT
	RELIEF VALVE
	ANGLE VALVE
	FLOW METER
	UNION
	BALANCING COCK
	SHUT-OFF COCK FOR USE WITH PRESSURE GAUGE
	FLEXIBLE EXPANSION JOINT
	THERMOMETER - TEMP RANGE AS INDICATED
	PRESSURE GAUGE WITH SHUT-OFF COCK
	PRESSURE GAUGE WITH PIGTAIL
	LATERAL STRAINER WITH BLOW-OFF VALVE. PROVIDE HOSE END WITH CAP WHERE DISCHARGE IS NOT PIPED TO DRAIN
	BALL VALVE (PIPE SIZES 2" AND SMALLER) BUTTERFLY VALVE (PIPE SIZES 2-1/2" AND LARGER)
	MOTOR OPERATED BUTTERFLY VALVE
	VALVE IN RISE
	AIR VENT-MANUAL
	AIR VENT-AUTO
	FLOW SWITCH
	REDUCER
	CONCENTRIC REDUCER
	ECCENTRIC REDUCER

PLUMBING CONT.

	THERMOSTATIC MIXING VALVE
	HOSE BIBB
	PIPE CAP
	SWITCH
	SENSOR
	THERMOSTAT
	NIGHT THERMOSTAT
	FILL PORT
	DRAIN PAN AND P-TRAP
	FIXTURE FROM LEVEL ABOVE
	FLOW METER ORIFICE
	FLANGE
	90° ELBOW
	STEAM TRAP, F&T-FLOAT & THERMOSTATIC 45° ELBOW
	B=BUCKET, T=THERMOSTATIC
	LEADER INDICATES DOWNWARD SLOPE
	DEMOLITION
	ALIGNMENT GUIDE
	ANCHOR
	LUBRICATED PLUG COCK

SYMBOLS

	PLUMBING FIXTURES
	POINT OF CONNECTION
	SECTION TAG - TOP FIGURE IS SECTION NO. BOTTOM FIGURE IS SHEET NO.
	DETAIL TAG - TOP FIGURE IS DETAIL NO. BOTTOM FIGURE IS SHEET NO.
	EQUIPMENT IDENTIFICATION
	KEYED NOTE IDENTIFICATION

FIRE

	HOSE VALVE
	NRS GATE VALVE WITH SUPERVISION
	FLOW SWITCH
	FIRE RISER
	SPRINKLER HEAD
	FIRE SPRINKLER WATER

LINETYPES

--- AV ---	ACID VENT
--- AW ---	ACID WASTE
--- BBD ---	BOILER BLOW DOWN
--- BF ---	BOILER FEED WATER
--- B ---	BRINE
--- CO2 ---	CARBON DIOXIDE
--- CA ---	COMPRESSED AIR
--- CF ---	CHEMICAL FEED
--- CHWS ---	CHILLED WATER SUPPLY
--- CHWR ---	CHILLED WATER RETURN
--- CS ---	CONDENSER WATER SUPPLY
--- CR ---	CONDENSER WATER RETURN
--- ---	DOMESTIC COLD WATER (DCW)
--- ---	DOMESTIC HOT WATER (DHW)
--- ---	DOMESTIC HOT WATER RETURN (DHW)
--- DI ---	DEIONIZED WATER SUPPLY
--- DIR ---	DEIONIZED WATER RETURN
--- E(NAME) ---	EXISTING PIPING
--- X---(NAME)---X ---	EXISTING PIPING TO BE REMOVED
--- GHR ---	GLYCOL HEAT RECOVERY PIPING
--- G(NAME) ---	GLYCOL PIPING SOLUTION
--- FOR ---	FUEL OIL RETURN
--- FOS ---	FUEL OIL SUPPLY
--- --FOV--- --	FUEL OIL VENT
--- G ---	NATURAL GAS
--- HG ---	HOT GAS
--- HFR ---	HELICOPTER FUEL RETURN
--- HFS ---	HELICOPTER FUEL SUPPLY
--- HP(NAME) ---	HIGH PRESSURE DOMESTIC WATER
--- HPC ---	HIGH PRESSURE CONDENSATE
--- HPS ---	HIGH PRESSURE STEAM
--- HWR ---	HEATING HOT WATER RETURN
--- HWS ---	HEATING HOT WATER SUPPLY
--- IA ---	INSTRUMENT AIR
--- IA 120 ---	INSTRUMENT AIR AT PRESSURE INDICATED
--- LA ---	LAB AIR
--- LV ---	LAB VACUUM
--- LPC ---	LOW PRESSURE CONDENSATE
--- LPG ---	LIQUIFIED PETROLEUM GAS
--- LPS ---	LOW PRESSURE STEAM
--- MA ---	MEDICAL AIR
--- MA 120 ---	MEDICAL AIR AT PRESSURE INDICATED
--- MPC ---	MEDIUM PRESSURE CONDENSATE
--- MPS ---	MEDIUM PRESSURE STEAM
--- MUW ---	MAKE UP WATER
--- MV ---	MEDICAL VACUUM
--- N ---	NITROGEN
--- N2O ---	NITROUS OXIDE
--- OX ---	MEDICAL OXYGEN
--- OX 120 ---	MEDICAL OXYGEN AT PRESSURE INDICATED
--- ---	PUMPED CONDENSATE

LINETYPES CONT.

--- RO ---	REVERSE OSMOSIS WATER SUPPLY
--- ROR ---	REVERSE OSMOSIS WATER RETURN
--- RD ---	ROOF DRAIN
--- RDO ---	ROOF DRAIN OVERFLOW
--- RL ---	REFRIGERANT LIQUID
--- RS ---	REFRIGERANT SUCTION
--- ---	SEWER (BELOW GRADE)
--- ---	SEWER (ABOVE GRADE)
--- SW ---	SOFT DOMESTIC WATER (SW)
--- V ---	VACUUM
--- ---	VENT (SEWER)

CONSTRUCTION DOCUMENTS

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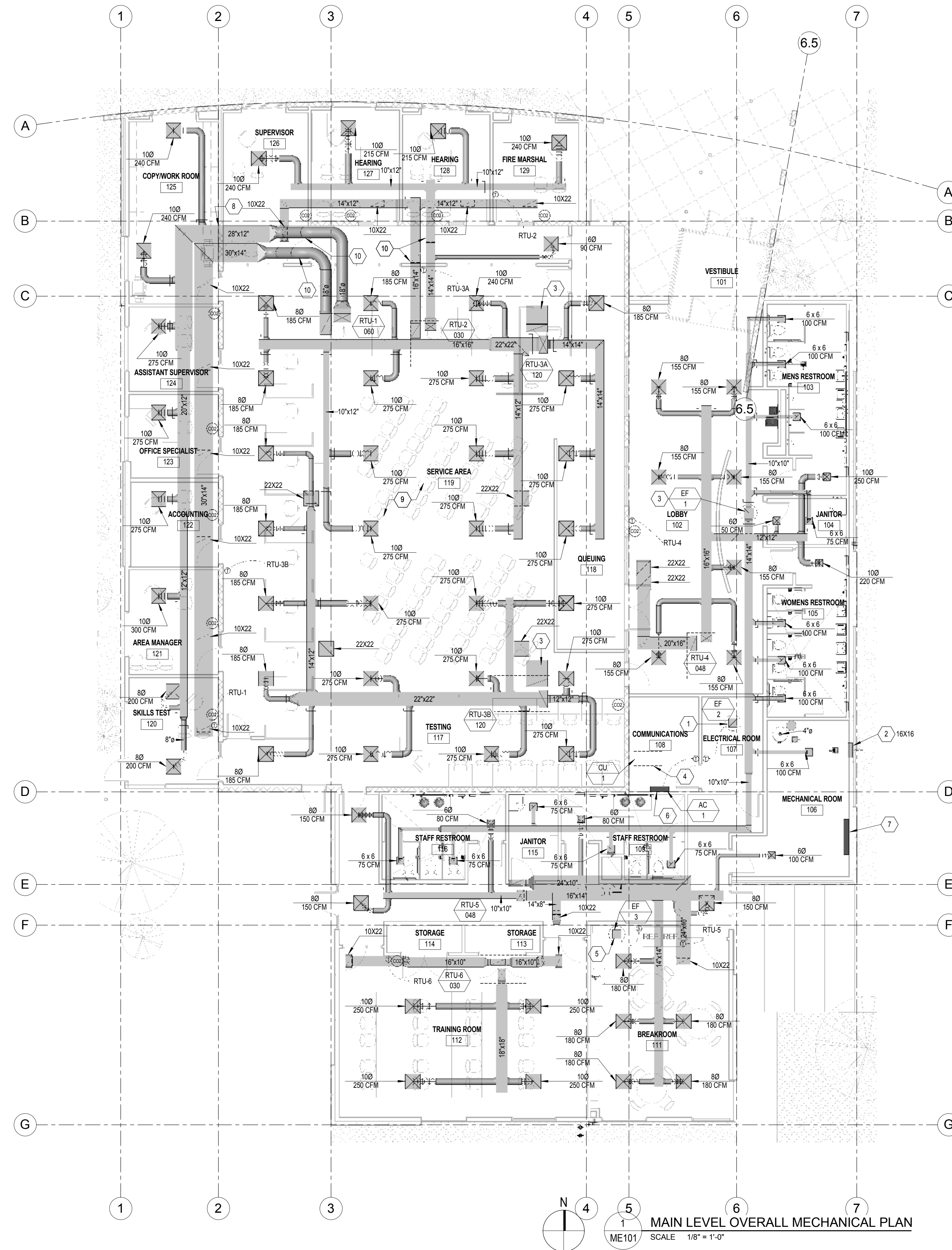
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VBFA Project Number: 10359

DATE/REVISION PROJECT #
11-24-2010 10019

LEGEND OF
MECHANICAL
SYMBOLS AND
ABBREVIATIONS

ME000



KEYED NOTES

- 1 CONTROL EF-2 WITH THERMOSTAT.
- 2 COMBUSTION AIR LOUVER.
- 3 SOUNDBOOT PER DETAIL.
- 4 CONDENSING UNIT MOUNTED ON ROOF. ROUTE REFRIGERANT LINE SET TO AC-1 IN I.T. ROOM.
- 5 CONTROL EF-3 WITH WALL SWITCH.
- 6 ROUTE CONDENSATE TO LAV. TAIL PIECE.
- 7 ATC PANEL. COORDINATE LOCATION WITH OWNER.
- 8 DUCT TO PENETRATE CMU WALL IN THIS LOCATION. COORDINATE WITH STRUCTURE/CMU COURSE.
- 9 ROUTE DUCT THRU WEBBING OF TRUSSES IN THIS AREA. COORDINATE EXACT LOCATIONS.
- 10 DROP DUCT TO 11'-6" AFF.

CONSTRUCTION DOCUMENTS

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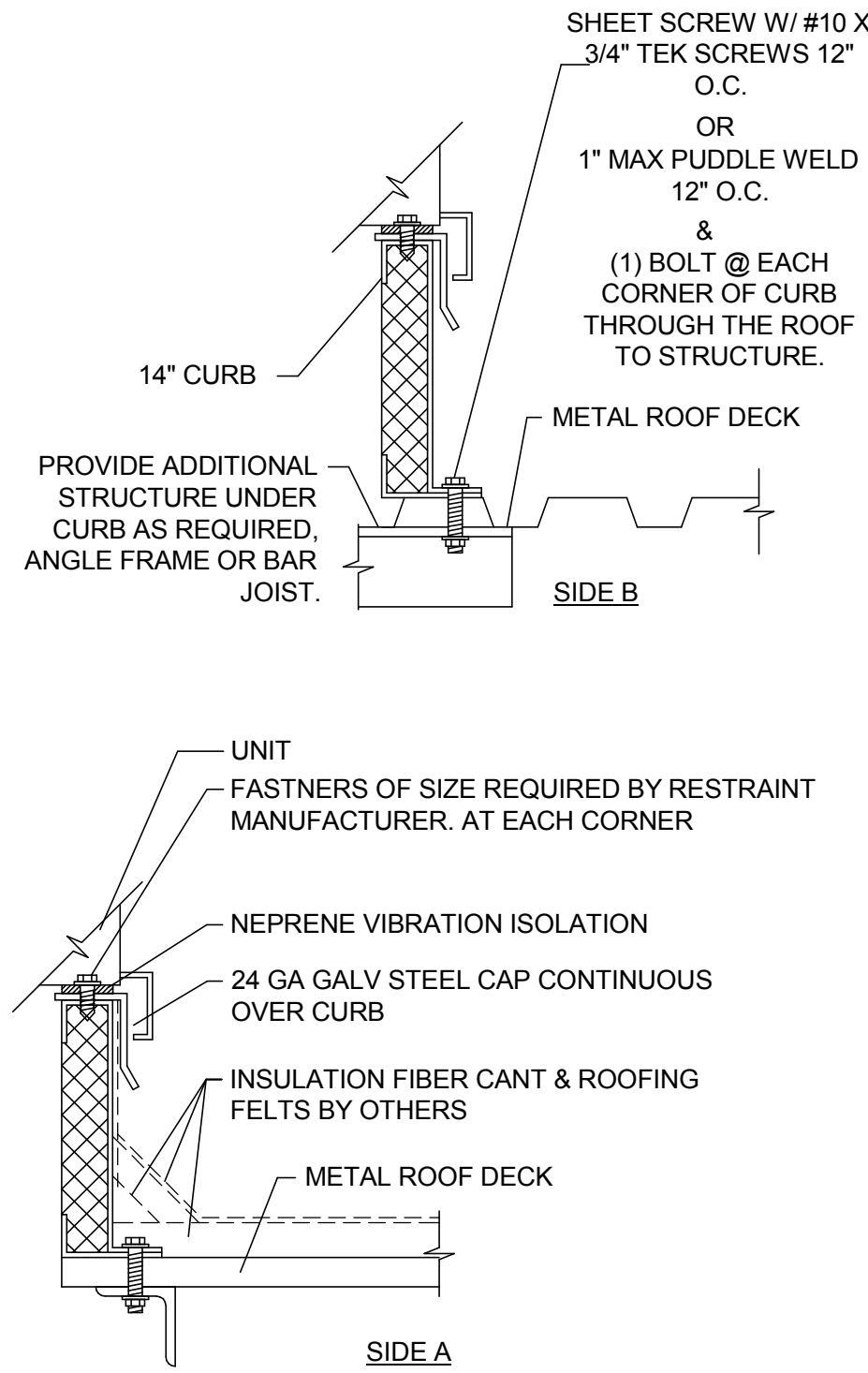
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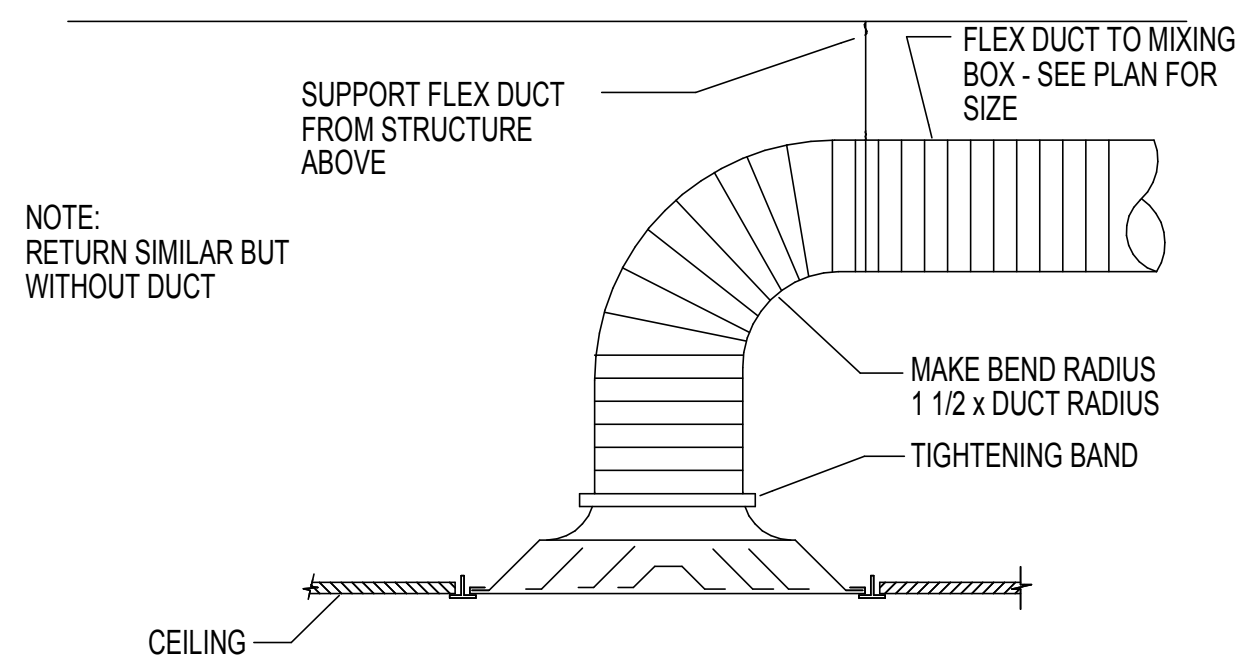
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MAIN LEVEL
OVERALL
MECHANICAL
PLAN

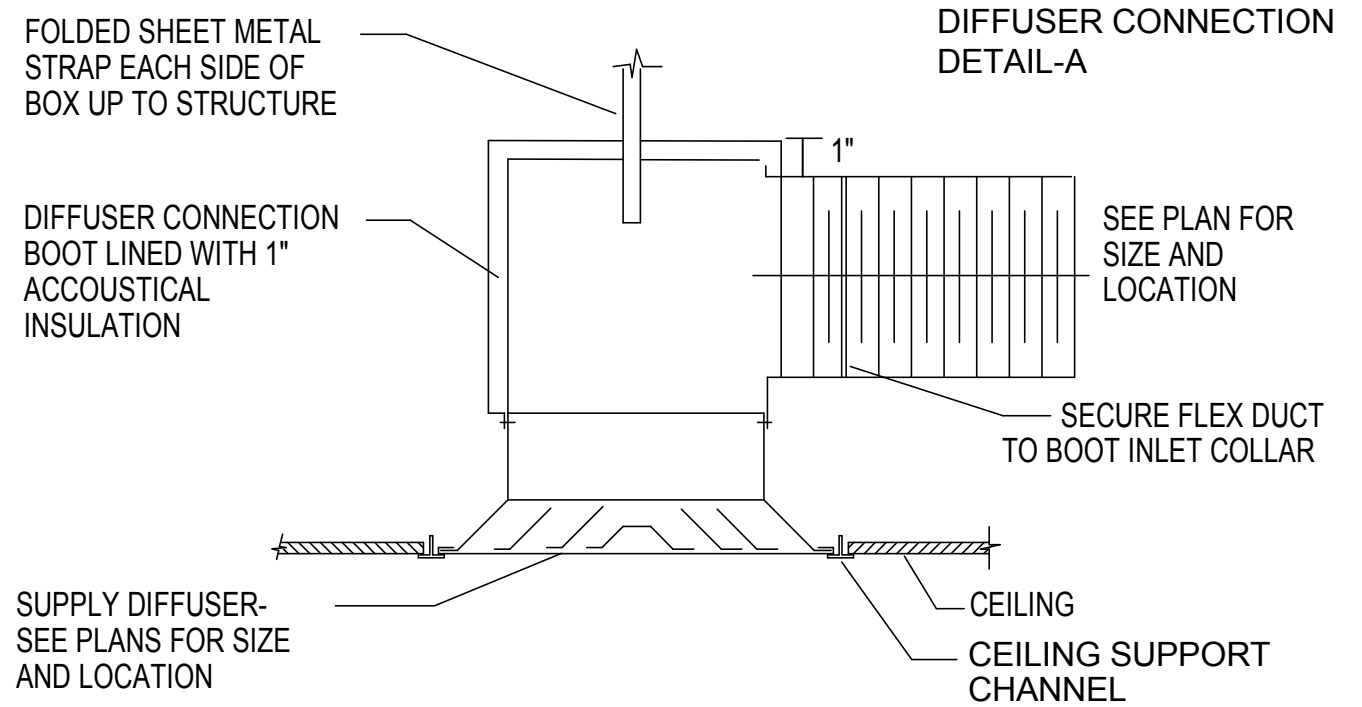
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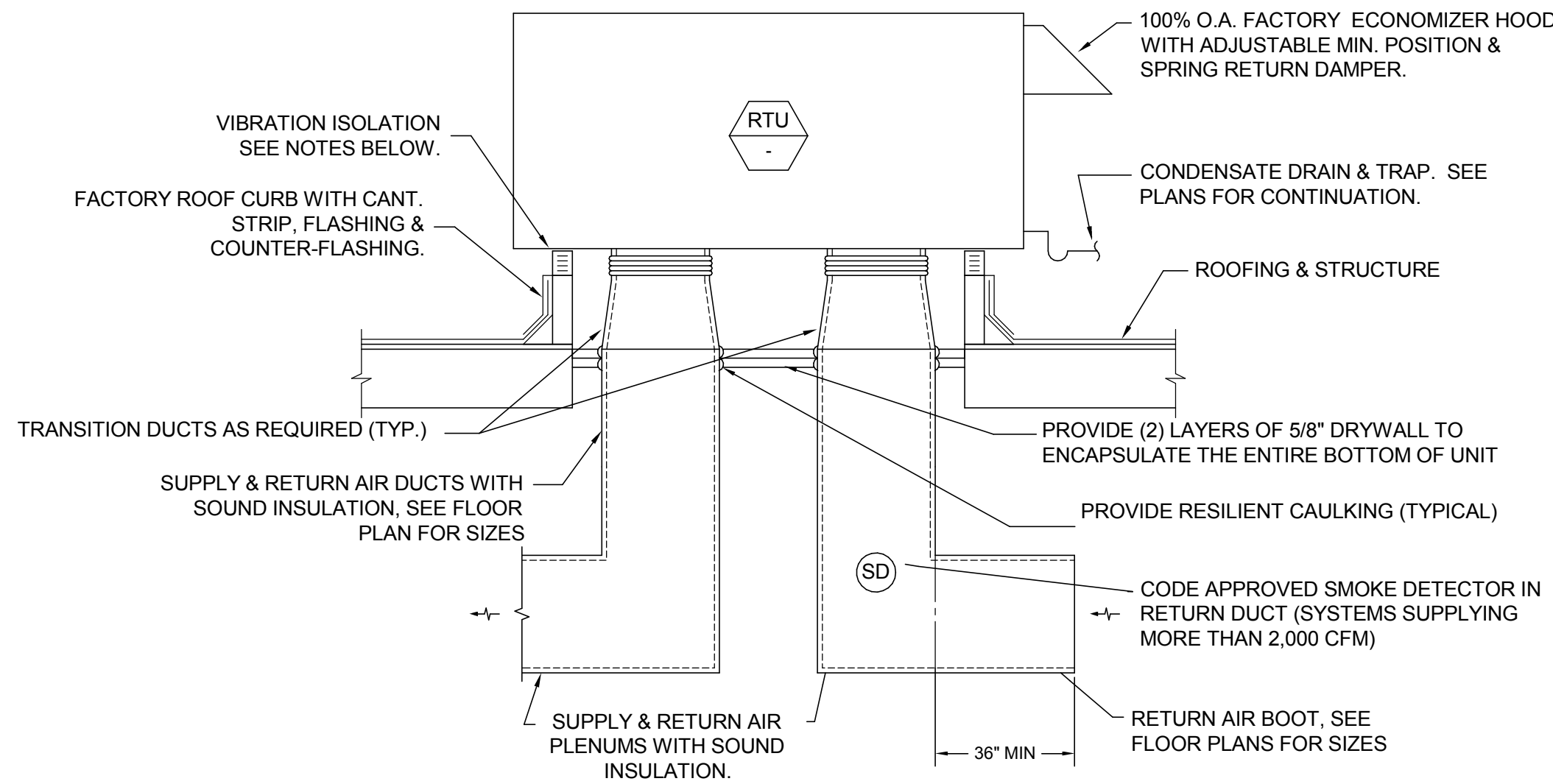
12 ROOF CURB INTALLED ON METAL ROOF DECK DETAIL
ME501 NO SCALE



13 DIFFUSER CONNECTION DETAIL-A
ME501 NO SCALE

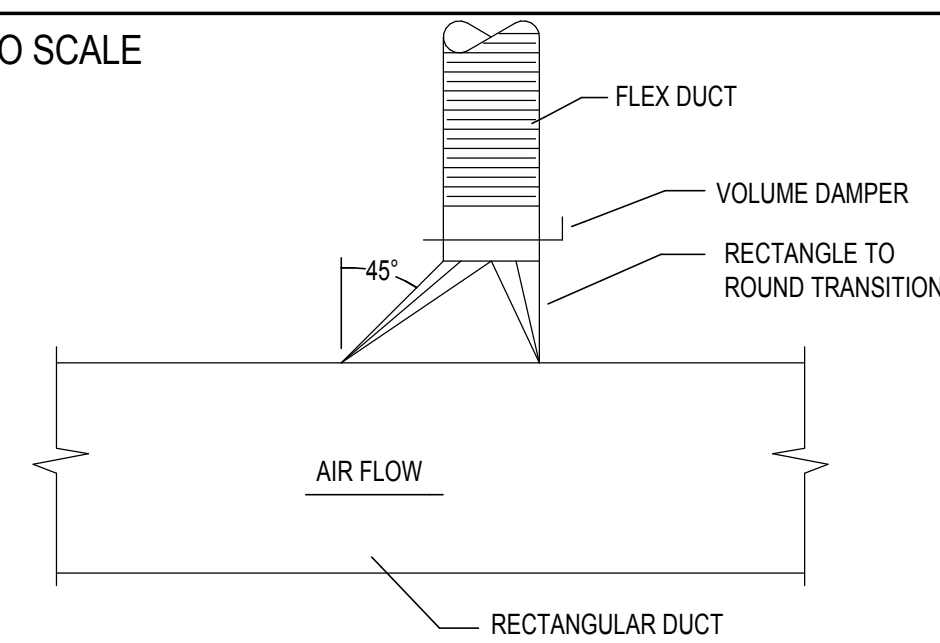


14 SUPPLY DIFFUSER W/ FLEX DUCT DETAIL-B
ME501 NO SCALE

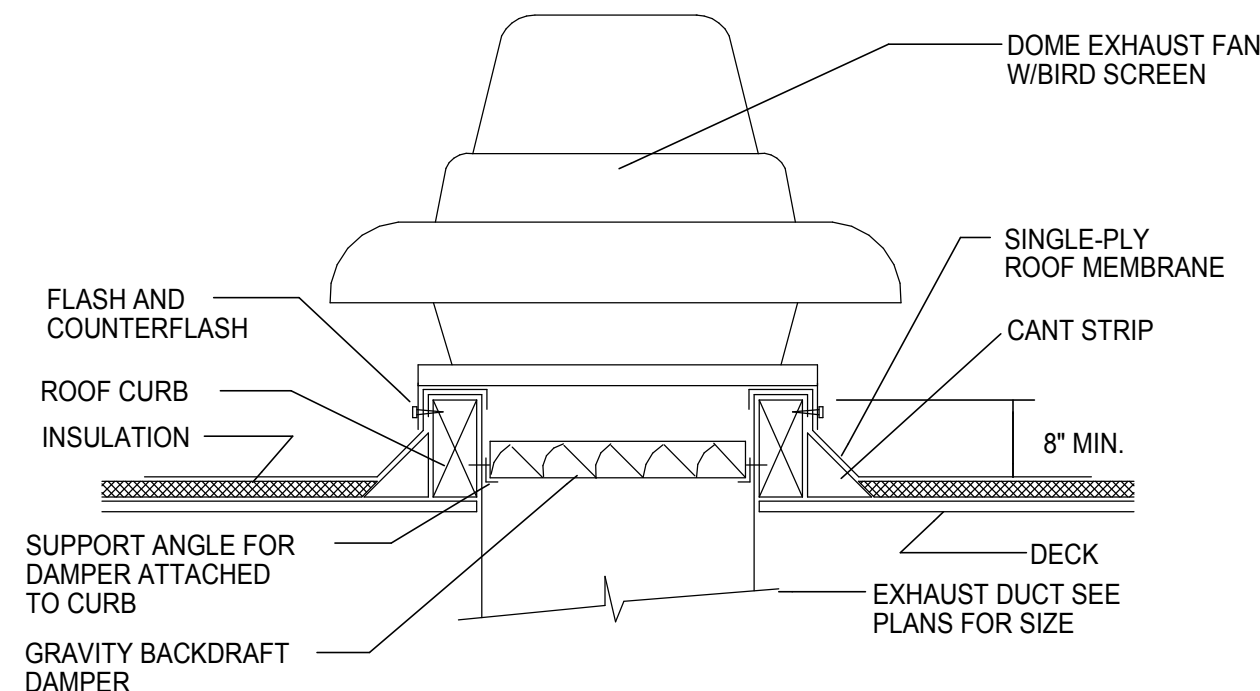


NOTES: 1. COORDINATE EXACT LOCATION AND FRAMING OF ROOF OPENING WITH GENERAL CONTRACTOR.
2. VIBRATION ISOLATION- SHALL BE FACTORY FURNISHED NEOPRENE GASKET.

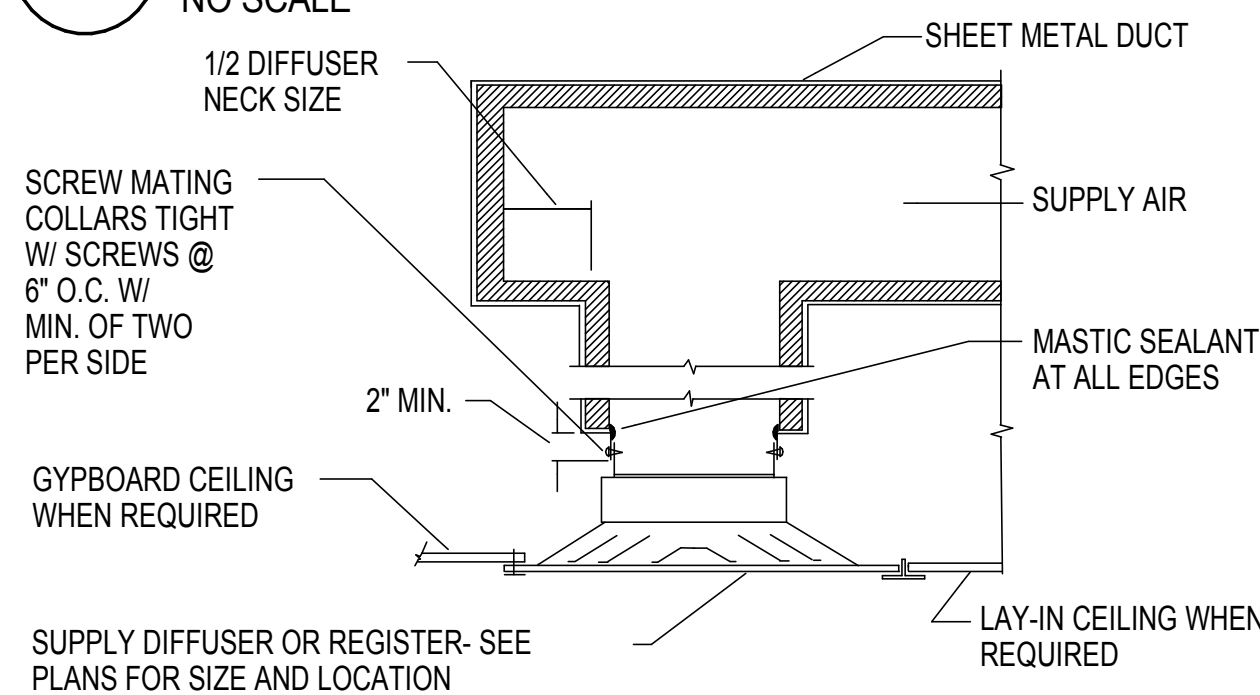
8 ROOFTOP UNIT MOUNTING DETAIL
ME501 NO SCALE



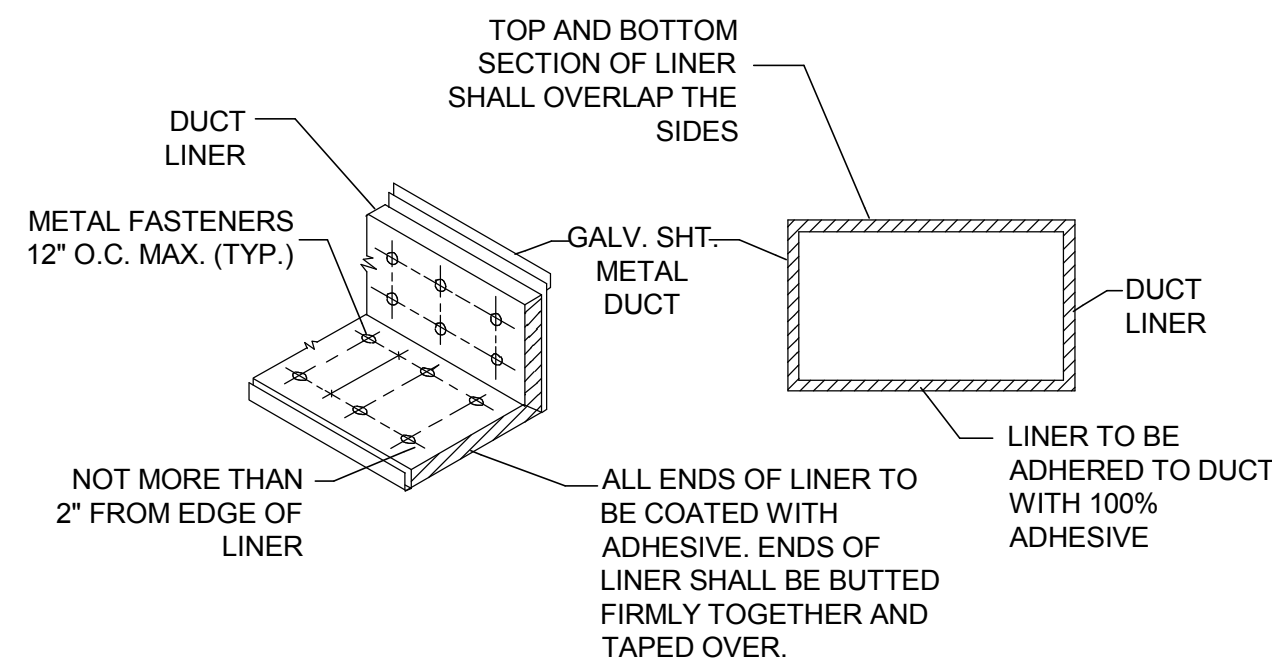
9 HIGH EFFICIENCY TAKE-OFF DETAIL
ME501 NO SCALE



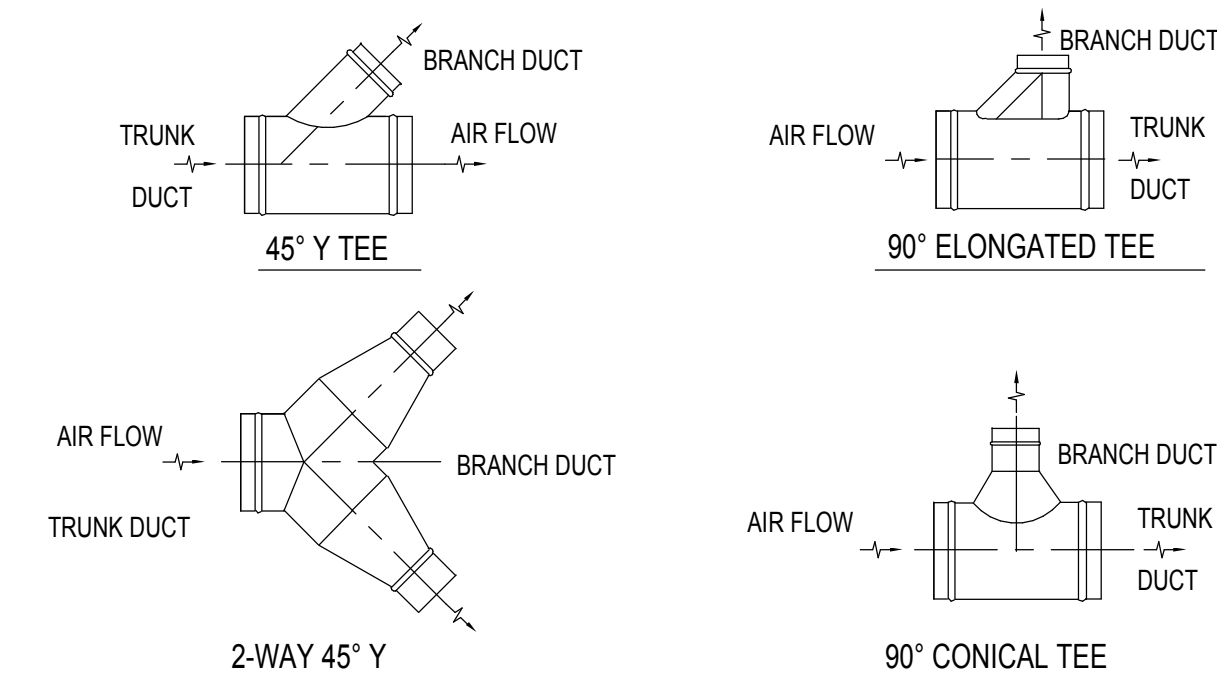
10 EXHAUST FAN DETAIL
ME501 NO SCALE



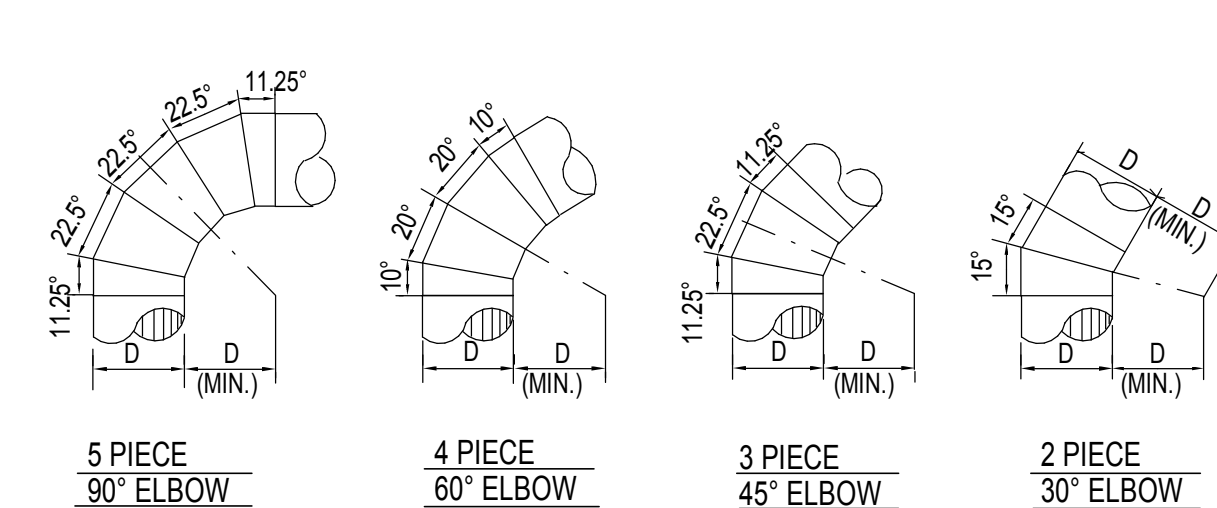
11 TYPICAL CEILING DIFFUSER DETAIL
ME501 NO SCALE



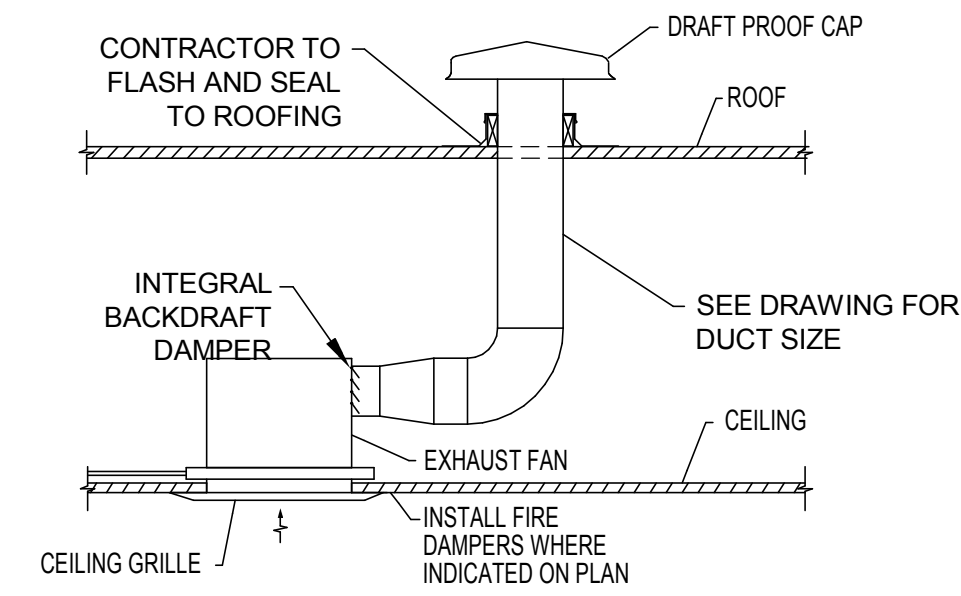
5 DUCT LINER DETAIL
ME501 NO SCALE



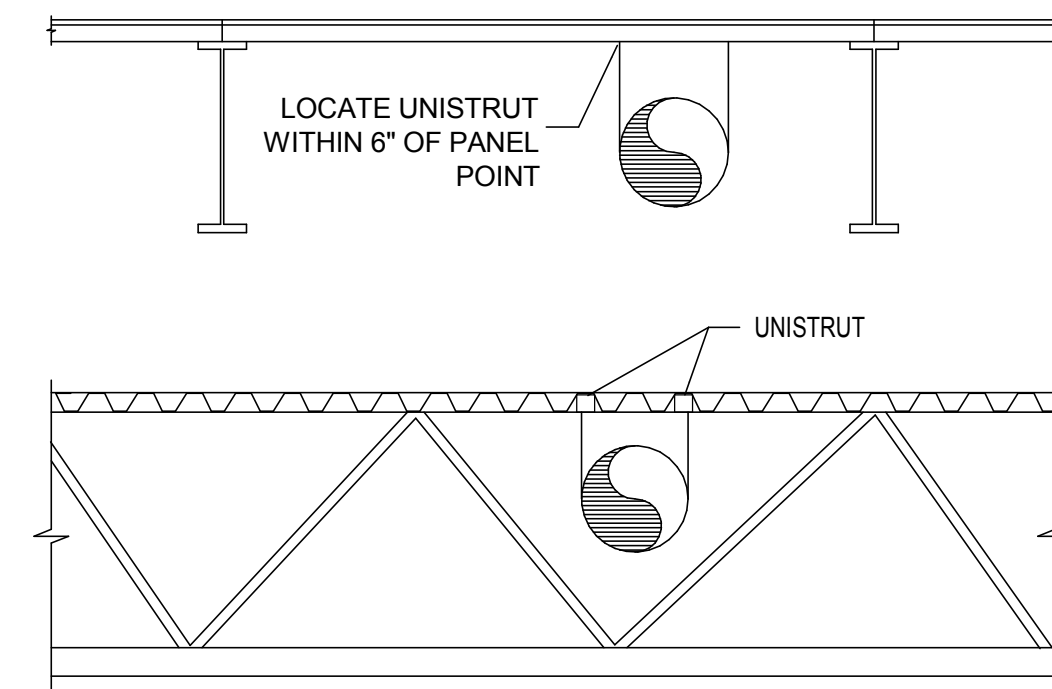
6 ROUND DUCT BRANCH TAKE-OFF DETAILS
ME501 NO SCALE



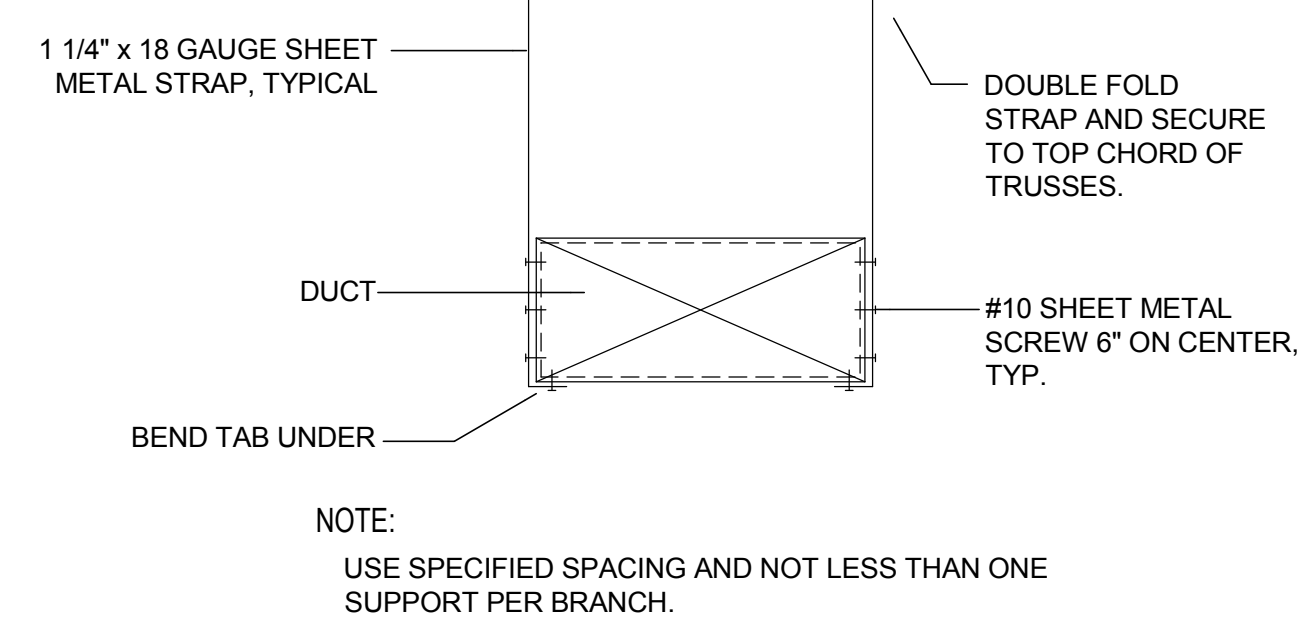
7 ROUND DUCT ELBOW DETAILS
ME501 NO SCALE



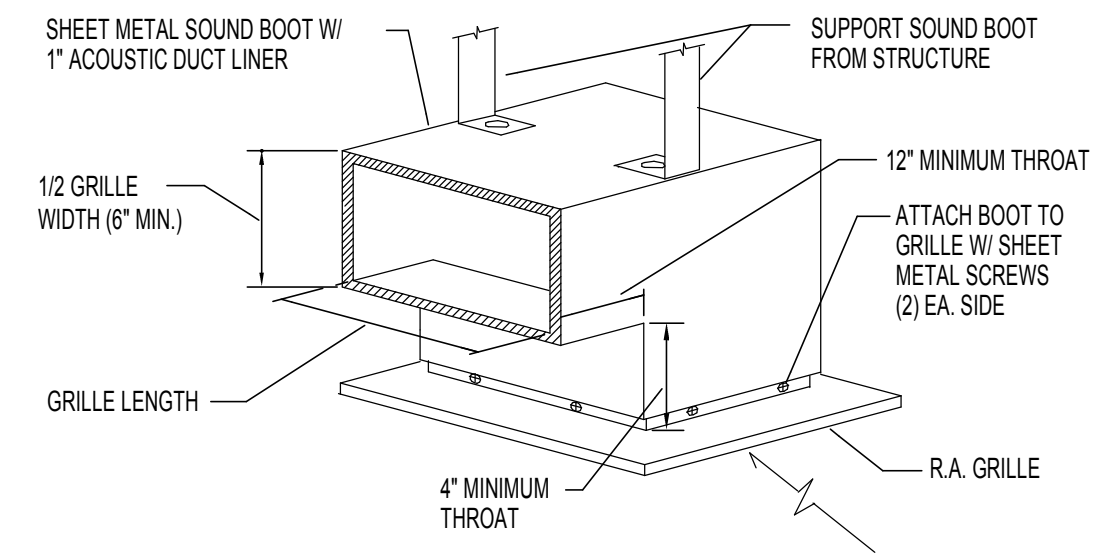
1 CEILING EXHAUST FAN DETAIL
ME501 NO SCALE



2 SUPPORT DETAIL
ME501 NO SCALE



3 RECTANGULAR DUCT SUPPORT DETAIL
ME501 NO SCALE



4 TRANSFER GRILLE WITH SOUND BOOT DETAIL
ME501 NO SCALE

CONSTRUCTION DOCUMENTS

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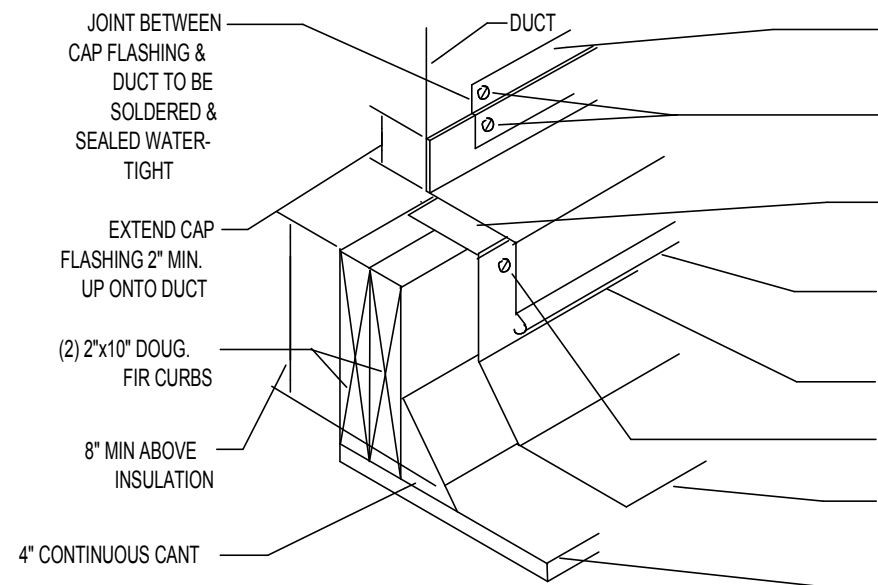


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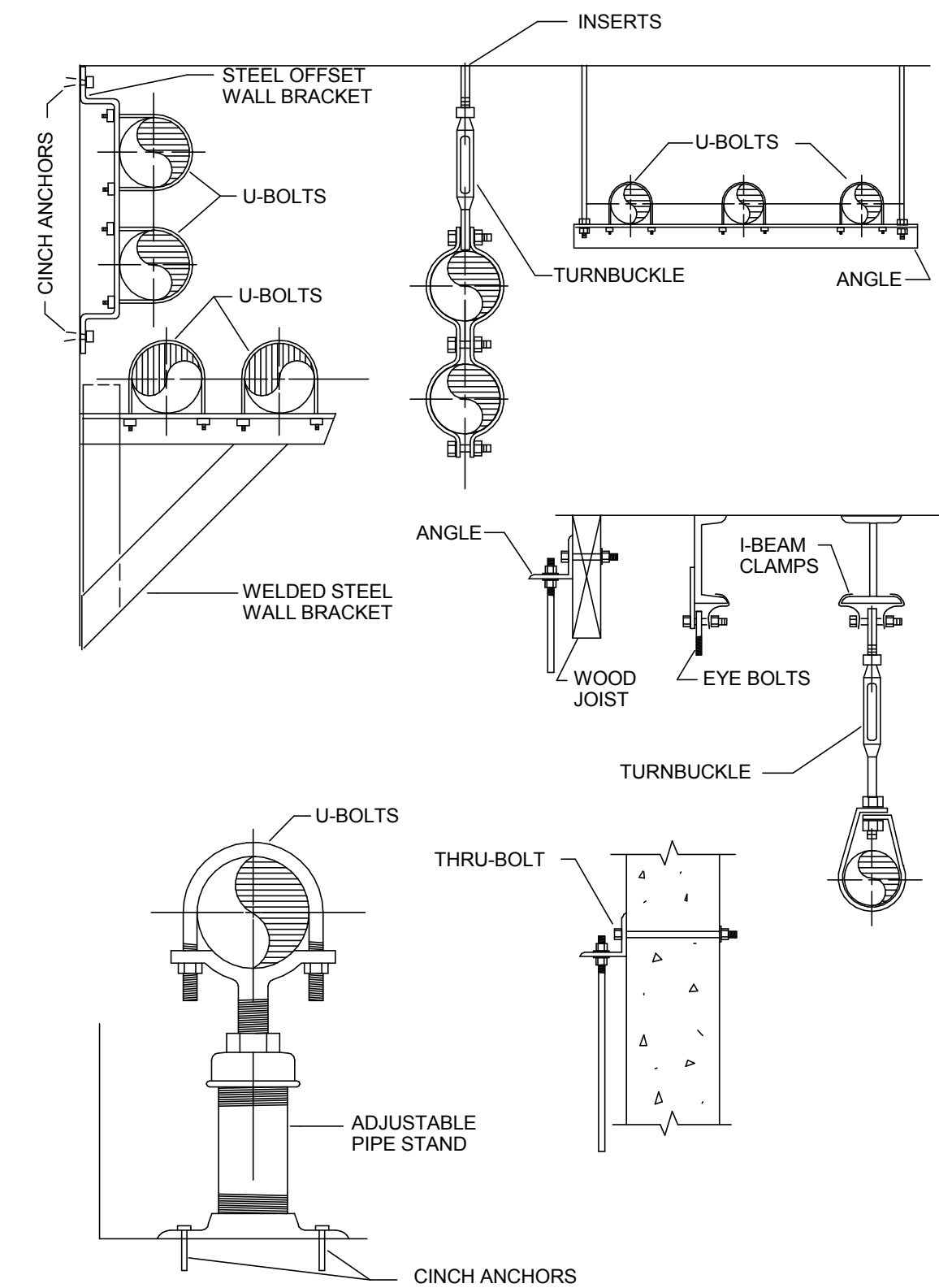
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11-24-2010	10019

MECHANICAL
DETAILS

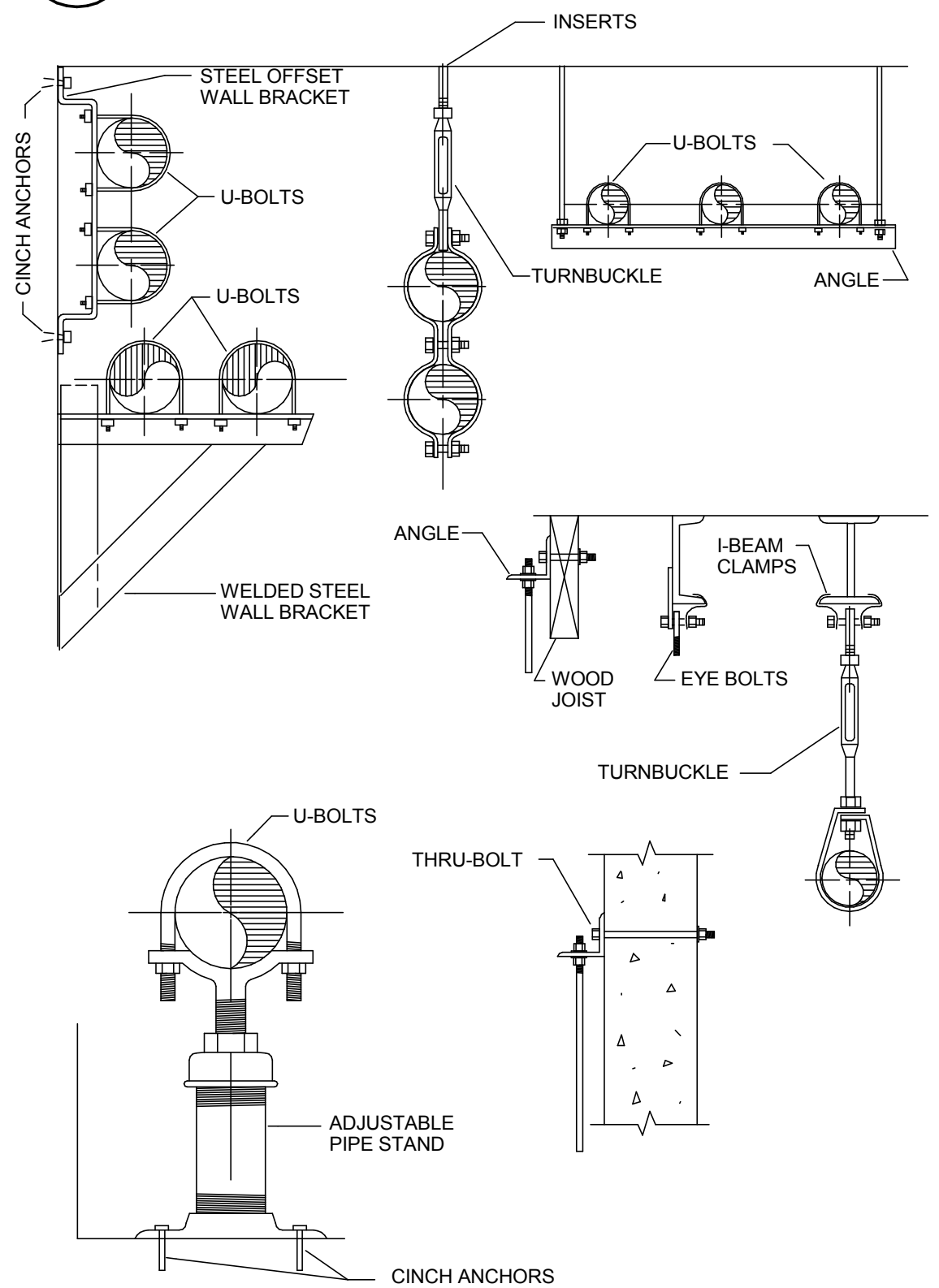
ME501



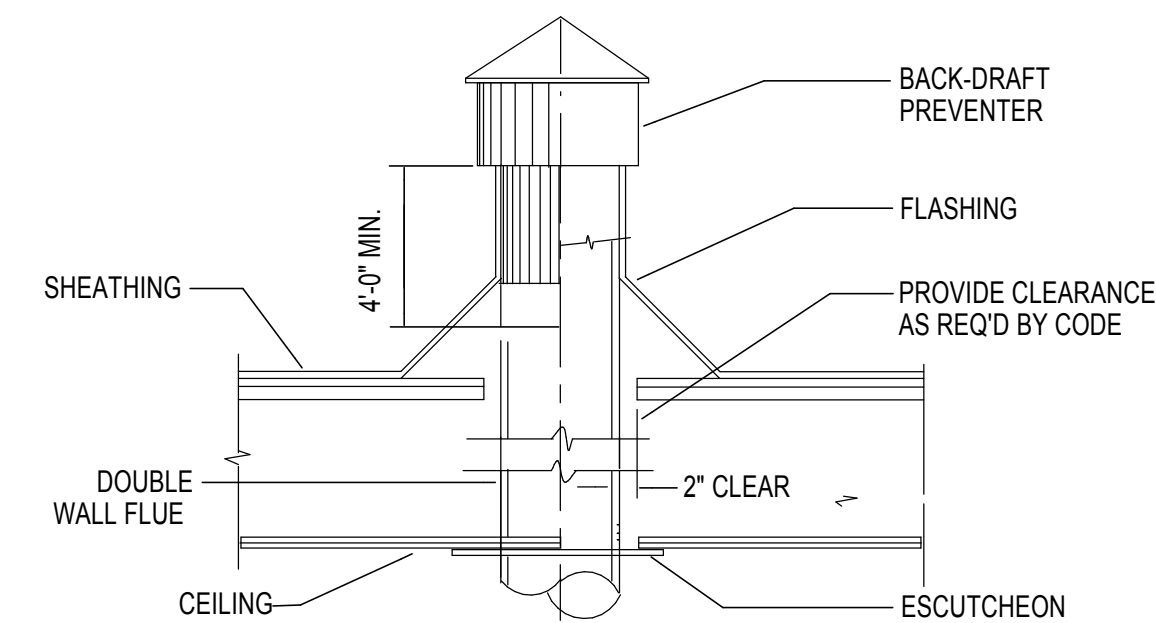
4 ROOF CURB DETAIL
ME502 NO SCALE



1 TYPICAL PIPE SUPPORT DETAIL
ME502 NO SCALE



2 TYPICAL PIPE SUPPORT DETAIL
ME502 NO SCALE



3 FLUE THRU ROOF DETAIL
ME502 NO SCALE

CONSTRUCTION DOCUMENTS

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SOUTH OGDEN, UTAH

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11-24-2010	10019

MECHANICAL
DETAILS

ME502

PACKAGED ROOFTOP UNIT SCHEDULE																				
ID	MANUFACTURER AND MODEL NUMBER	NOMINAL TONS	REFRIGERANT	SUPPLY FAN		OUTSIDE AIR CFM	WEIGHT LB	HEATING SECTION			COOLING SECTION						ELECTRICAL			NOTES
				AIRFLOW RATE (CFM)	EXTERNAL STATIC PRESSURE (IN. WATER)			HEATING LOAD (BTU/H)	ENTERING MIXED AIR TEMP. ("F)	LEAVING MIXED AIR TEMP. ("F)	TOTAL COOLING CAPACITY (BTU/H)	ENTERING AIR TEMP. DB/WB ("F)	LEAVING AIR TEMP. DB/WB ("F)	EER	SEER	TOTAL MCA	MOCp	SUPPLY FAN MOTOR (BHP)	SINGLE POINT VOLT/PH/HZ	
RTU-1	CARRIER 48PG-05	5	R-410A	2000	0.6	140.0	1100.0	72,000	65	92	63,500	78/62	52/50	12.0	-	34.3	50	0.99	208/3	2,3
RTU-2	CARRIER 48PG-04	2.5	R-410A	1000	0.6	140.0	850.0	72,000	60	112	31,600	79/62	52/50	-	15.0	18.9	25	0.35	208/3	2,3
RTU-3A	CARRIER 48PGDC-12	10	R-410A	3400	0.6	800.0	2200.0	181,000	67	105	109,000	77/55	47/42	12.0		61.2	70	1.16	208/3	1,2,3
RTU-3B	CARRIER 48PGDC-12	10	R-410A	3400	0.6	800.0	2200.0	181,000	67	105	109,000	77/55	47/42	12.0		61.2	70	1.16	208/3	1,2,3
RTU-4	CARRIER 48PG-06	4	R-410A	1600	0.6	600.0	950.0	115,000	47	98	46,500	83/62	51/51	-	15.6	23.4	30	0.76	208/3	2,3
RTU-5	CARRIER 48PG-06	4	R-410A	1600	0.6	400.0	950.0	115,000	52	100	44,500	81/62	51/51	-	15.6	23.4	30	0.76	208/3	2,3
RTU-6	CARRIER 48PG-04	2.5	R-410A	1000	0.6	180.0	850.0	72,000	58	110	31,600	80/62	51/50	-	15.0	18.9	25	0.35	208/3	2,3

1. UNIT TO HAVE FACTORY MOUNTED ENERGY RECORY UNIT WITH HEAT WHEEL. ERV SECTION TO HAVE EXHAUST/INTAKE FANS AND ECONOMIZER BYPASS.
2. UNIT TO HAVE FACTORY SUPPLIED CO2 SENSOR.
3. UNIT TO HAVE BAROMETRIC RELIEF ON ECONOMIZER.

EXHAUST FAN SCHEDULE												
ID	MANUFACTURER AND MODEL NUMBER	LOCATION	AIR		FAN			ELECTRICAL			PHYSICAL	NOTES
			MAXIMUM AIRFLOW RATE (CFM)	STATIC PRESSURE (IN. WATER)	OUTLET VELOCITY (FPM)	FAN SPEED (RPM)	FAN WHEEL DIAMETER (IN)	MOTOR SIZE (HP)	MOTOR SPEED (RPM)	VOLT/PH/HZ	LENGTH/ WIDTH/ HEIGHT (IN)	
EF-1	GREEN HECK GB-121	ROOF	1250	0.4	884	1350		0.25	1725	115/1/60	25/25/24	2,4
EF-2	GREEN HECK SP-B150	CEILING	150	0.2	800	1050		129 (watts)	1050	115/1/60	14/12/8	1,3,4
EF-3	GREEN HECK SP-B150	CEILING	150	0.2	800	1050		129 (watts)	1050	115/1/60	14/12/8	3,4,5

1. CONTROL WITH THERMOSTAT.
2. FAN TO RUN CONTINUOUSLY WHEN OCCUPIED.
3. TERMINATE WITH ROOF CAP.
4. PROVIDE WITH CURB, BIRD SCREEN AND BACK DRAFT DAMPER.
5. CONTROL WITH WALL SWITCH.

SPLIT SYSTEM																		
MANUFACTURER	LOCATION	COOLING CAPACITY (BTU)	INDOOR UNIT							OUTDOOR UNIT						REFRIGERANT LINES		
			MODEL NUMBER	ID	CFM	DIMENSIONS W" x H" x D"	WEIGHT (LBS.)	AMPS (MCA)	VOLTS/PH/HZ.	MODEL NUMBER	ID	DIMENSIONS W" x H" x D"	WEIGHT (LBS.)	AMPS (MCA)	VOLTS/PH/HZ.	LIQUID	GAS	NOTES
mitsubishi	IT/ROOF	24,000	PKA-A24KA	AC-1	635-775	46X14X12	46	1.0	24/1/60	PUY-A24NHA3	CU-1	38X38X15	163	18	208/1/60	3/8	5/8	1,2,3,4,5

1. CAPACITIES RATED AT THE FOLLOWING OUTDOOR CONDITIONS: COOLING - 95 DEG. F. D.B., 75 DEG. F. W.B.
2. CAPACITIES RATED AT THE FOLLOWING INDOOR CONDITIONS: COOLING - 80 DEG. F. D.B., 67 DEG. F. W.B.
3. PROVIDE LOW AMBIENT HEAD CONTROLLER TO ALLOW COOLING OPERATION DOWN TO 0 DEG. F. D.B.
4. R410A REFRIGERANT.
5. WIRELESS REMOTE CONTROLLER. PROVIDE WALL MOUNTED HOLDER.

CONSTRUCTION DOCUMENTS

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VBFA Project Number: 10359

Logan

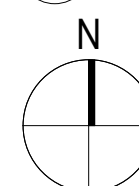
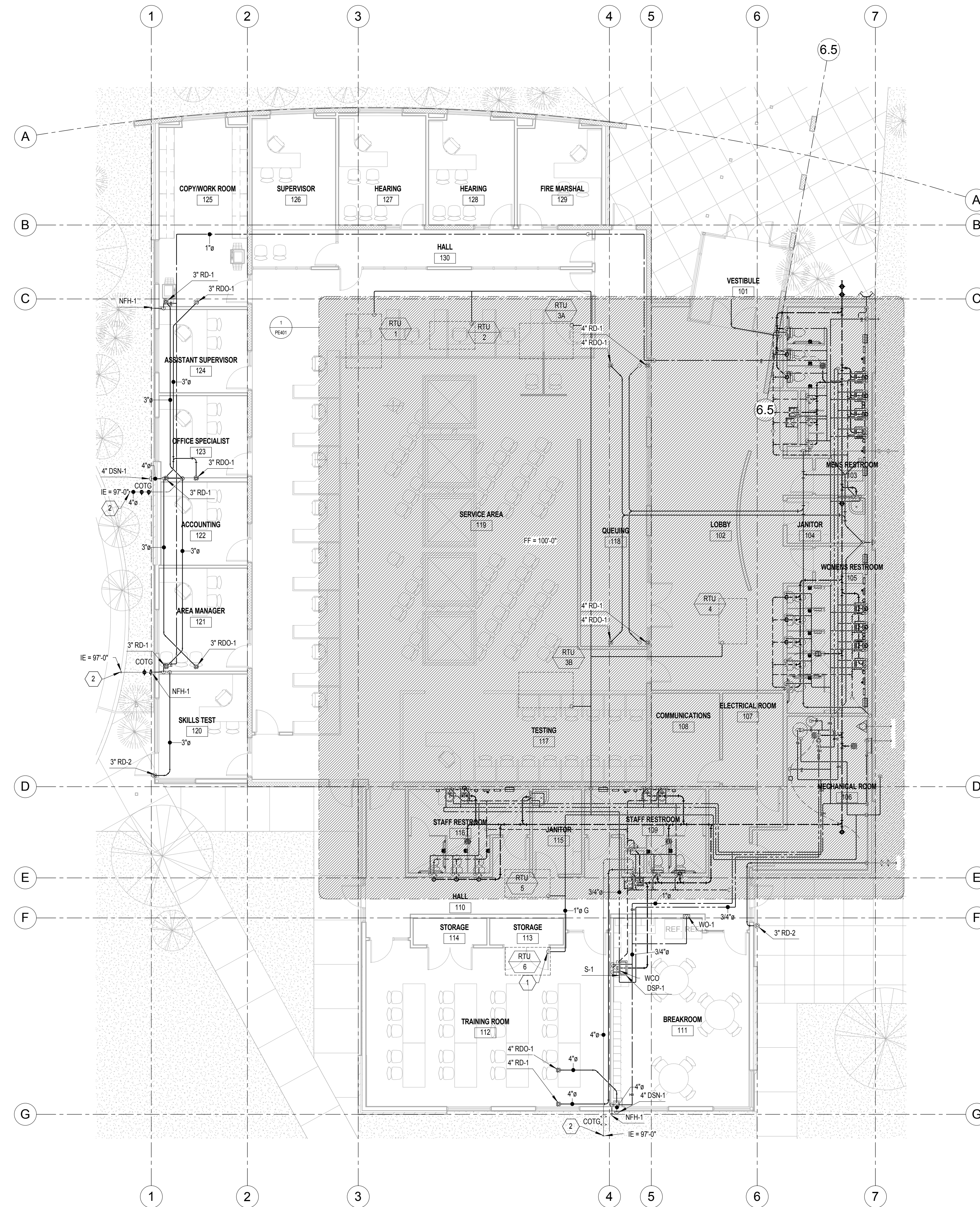
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MECHANICAL
SCHEDULES

ME601



1 MAIN LEVEL OVERALL PLUMBING PLAN
PE101 SCALE 1/8" = 1'-0"

KEYED NOTES

- 1 GAS CONNECTION TO EQUIPMENT ON ROOF, COORDINATE WITH EQUIPMENT.
- 2 SEE CIVIL UTILITIES PLAN FOR CONTINUATION.

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MAIN LEVEL
OVERALL
PLUMBING PLAN

PE101

- 1 DOMESTIC WATER PRV, SEE DETAIL.
- 2 WATER HEATER FLUE UP TO ROOF, COORDINATE WITH MECHANICAL PLANS.
- 3 SEE CIVIL UTILITIES PLAN FOR CONTINUATION.
- 4 PROVIDE ACCESS PANEL FOR SHUT-OFF VALVES ABOVE HARD CEINGS, TYPICAL.
- 5 GAS CONNECTION TO EQUIPMENT ON ROOF, COORDINATE WITH EQUIPMENT.
- 6 FLUSH MOUNT FIRE DEPARTMENT CONNECTION.
- 7 ELECTRONIC HORN/STROBE. COORDINATE WIRING WITH ELECTRICAL.
- 8 FIRE RISER, SEE DETAIL.
- 9 GAS METER, SEE DETAIL.

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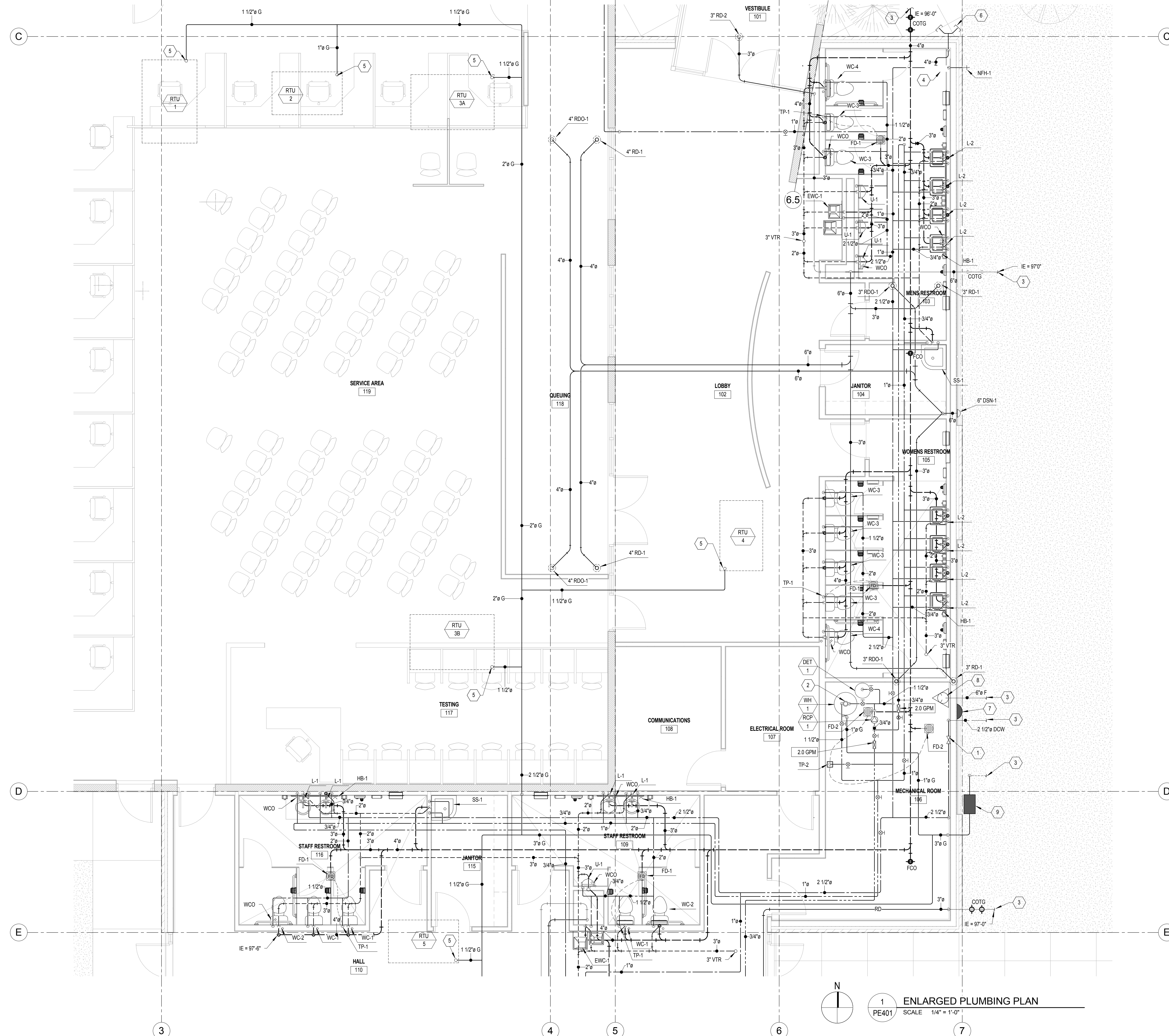


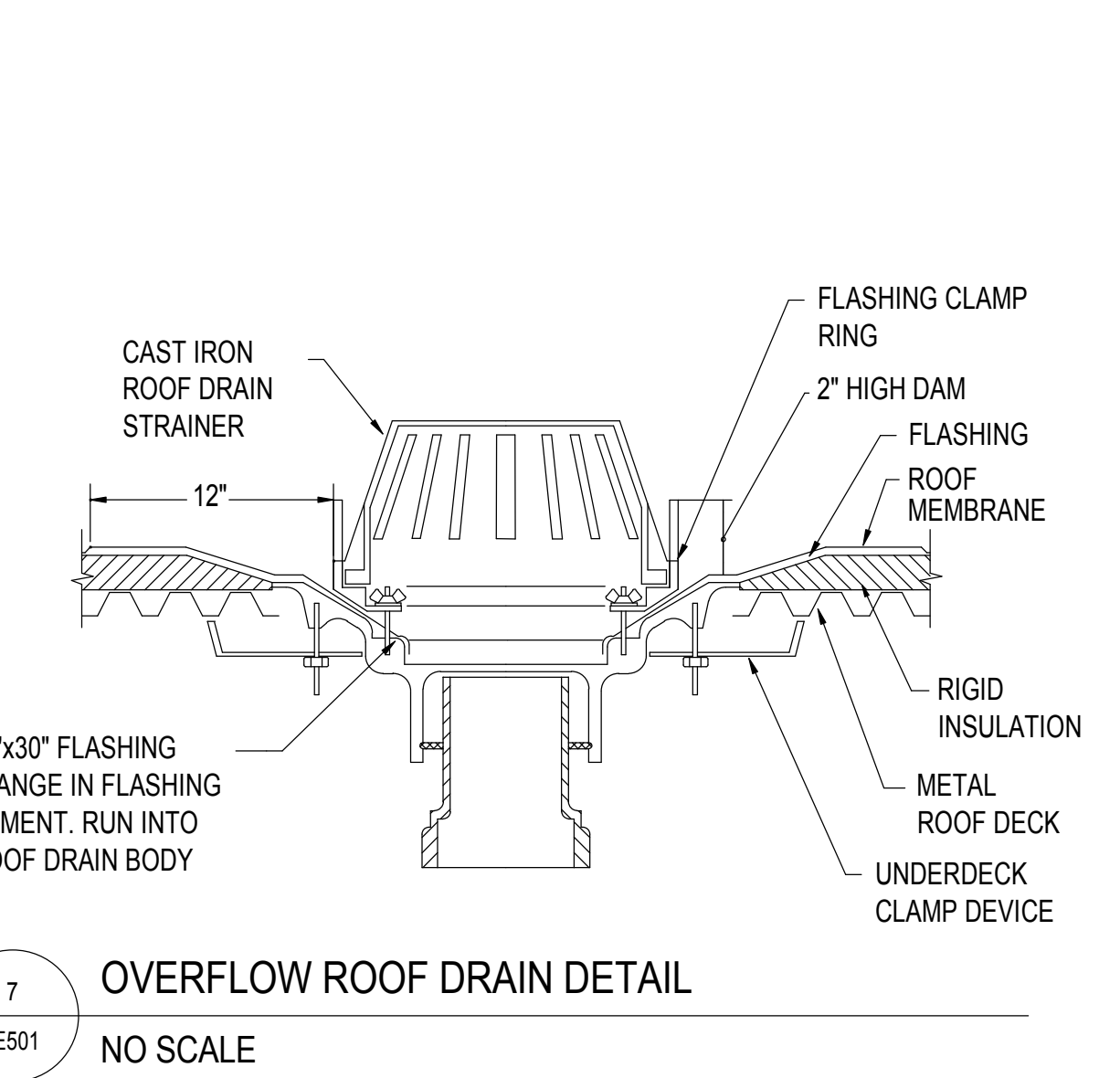
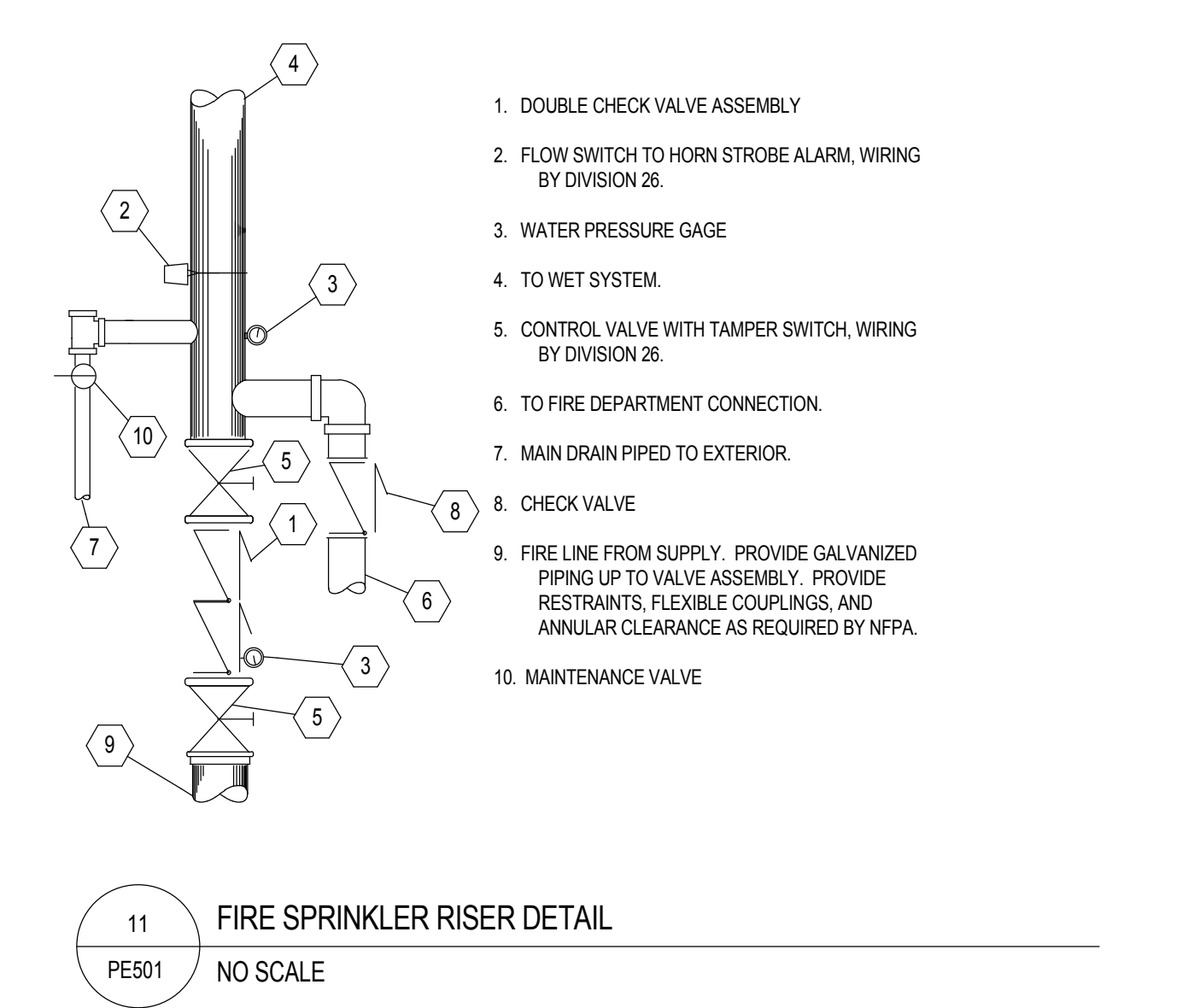
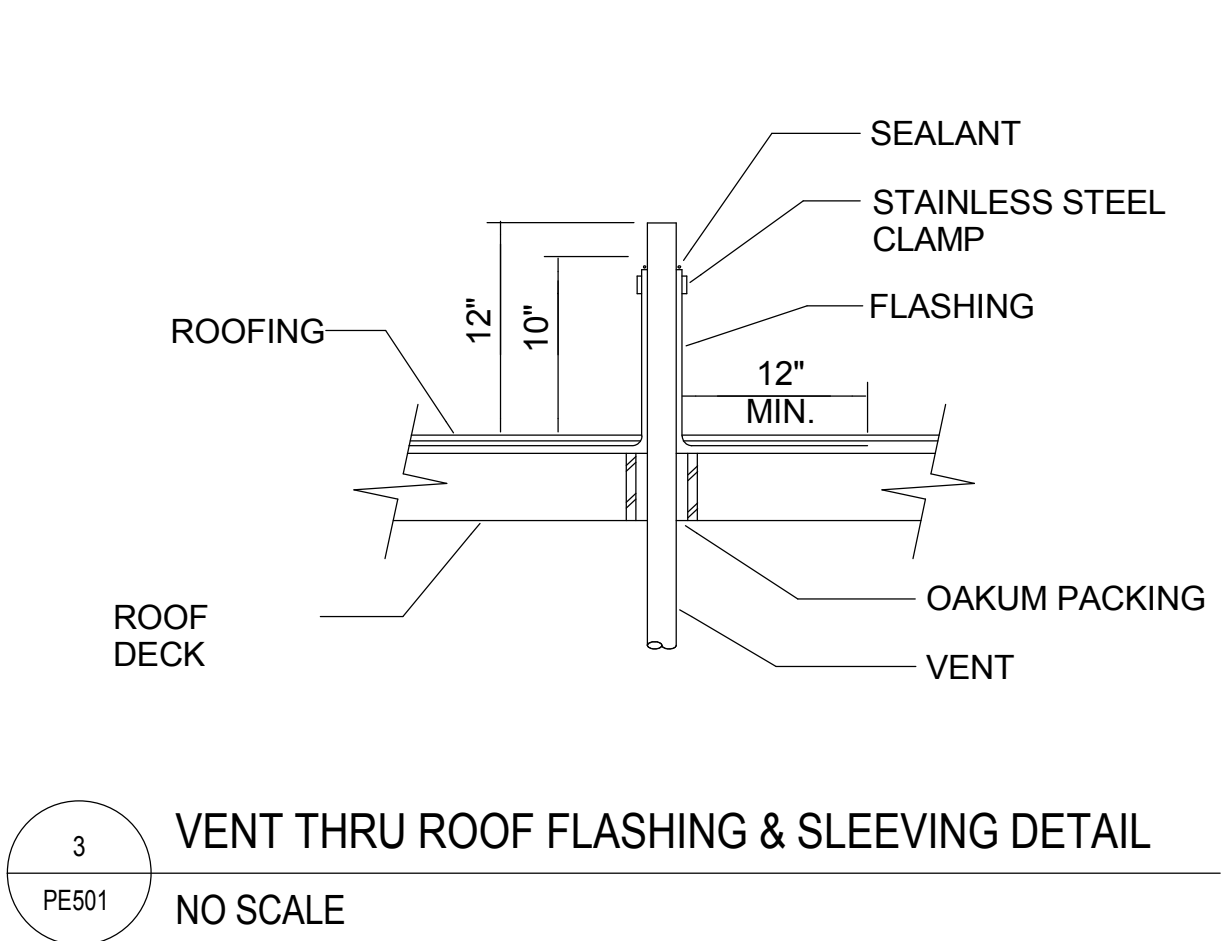
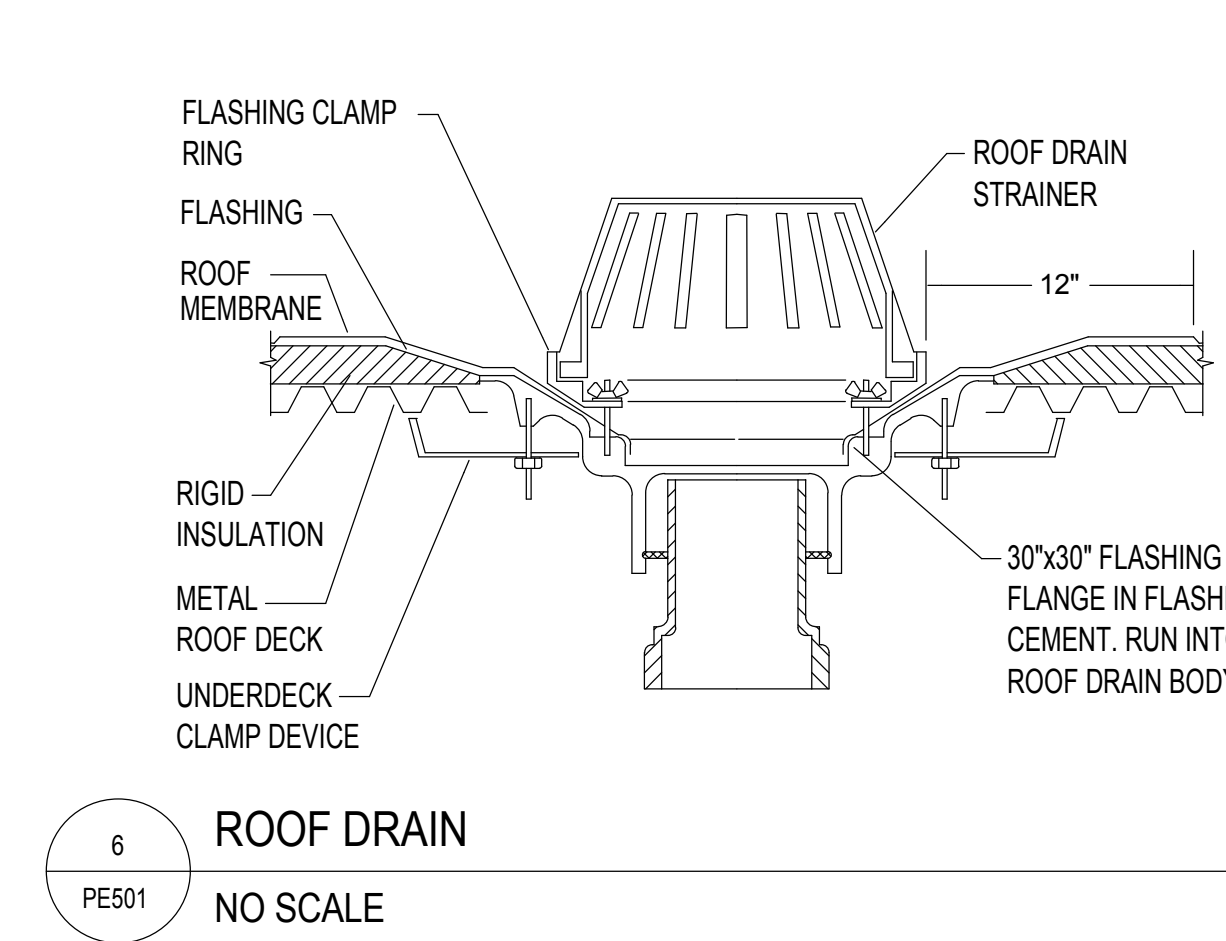
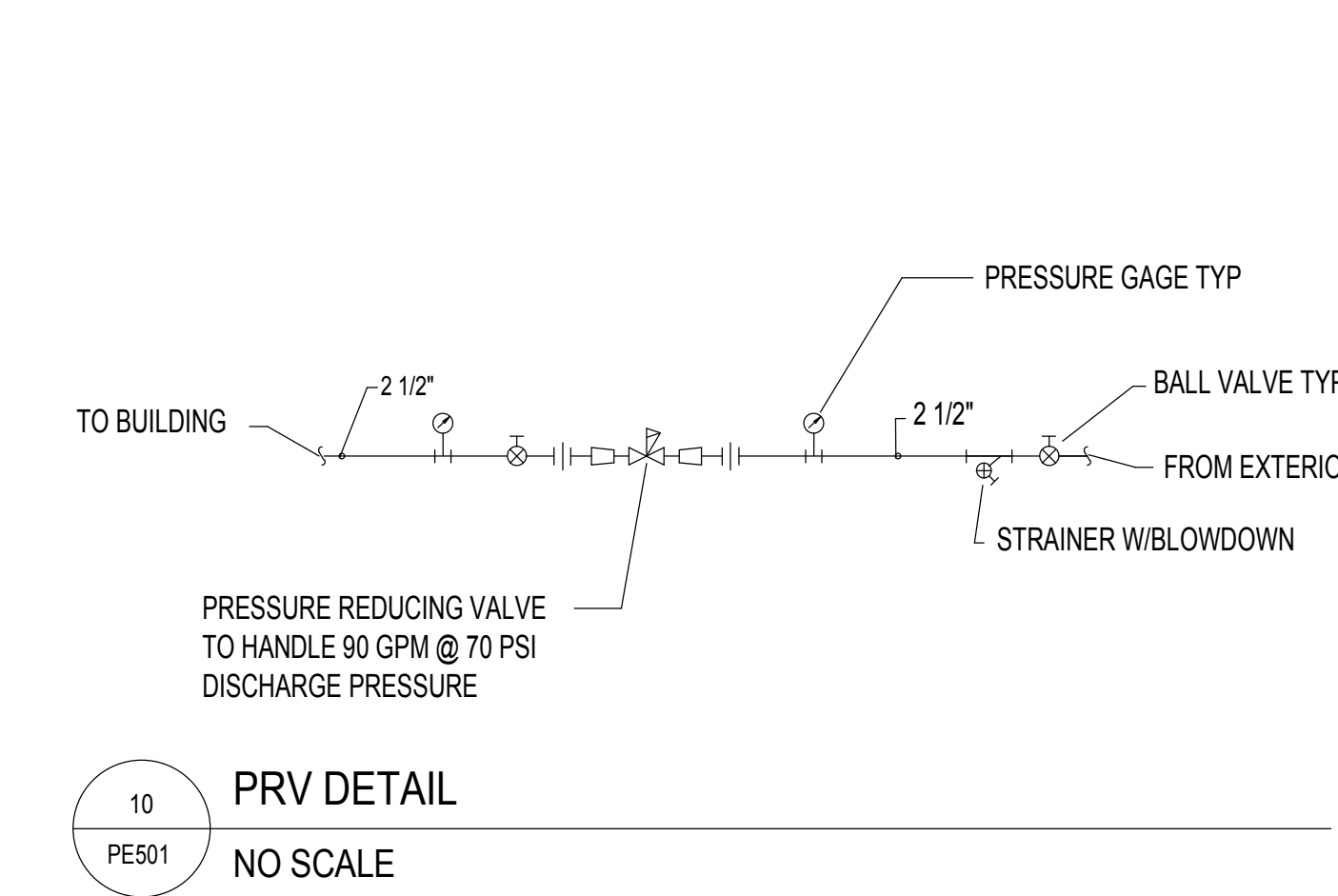
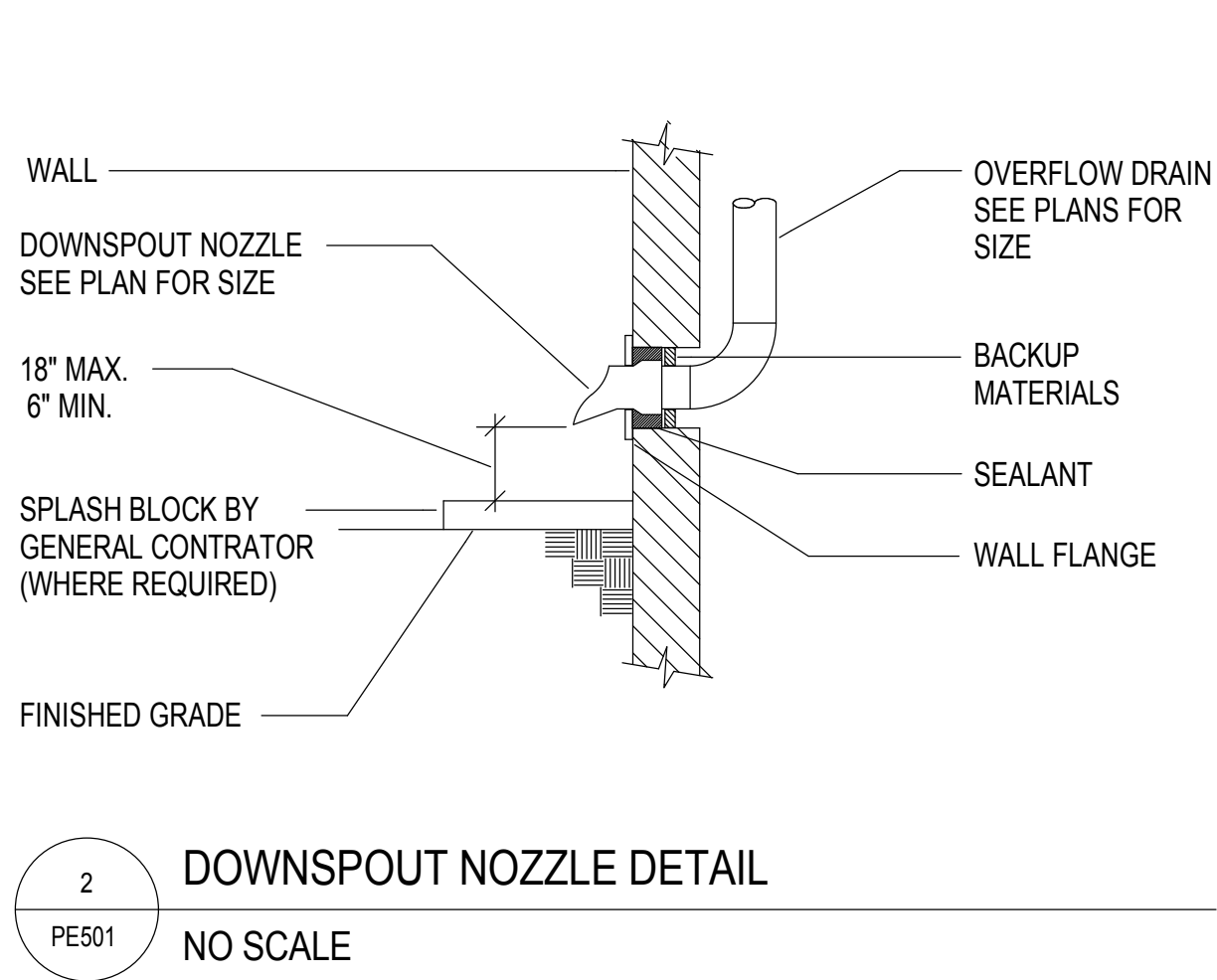
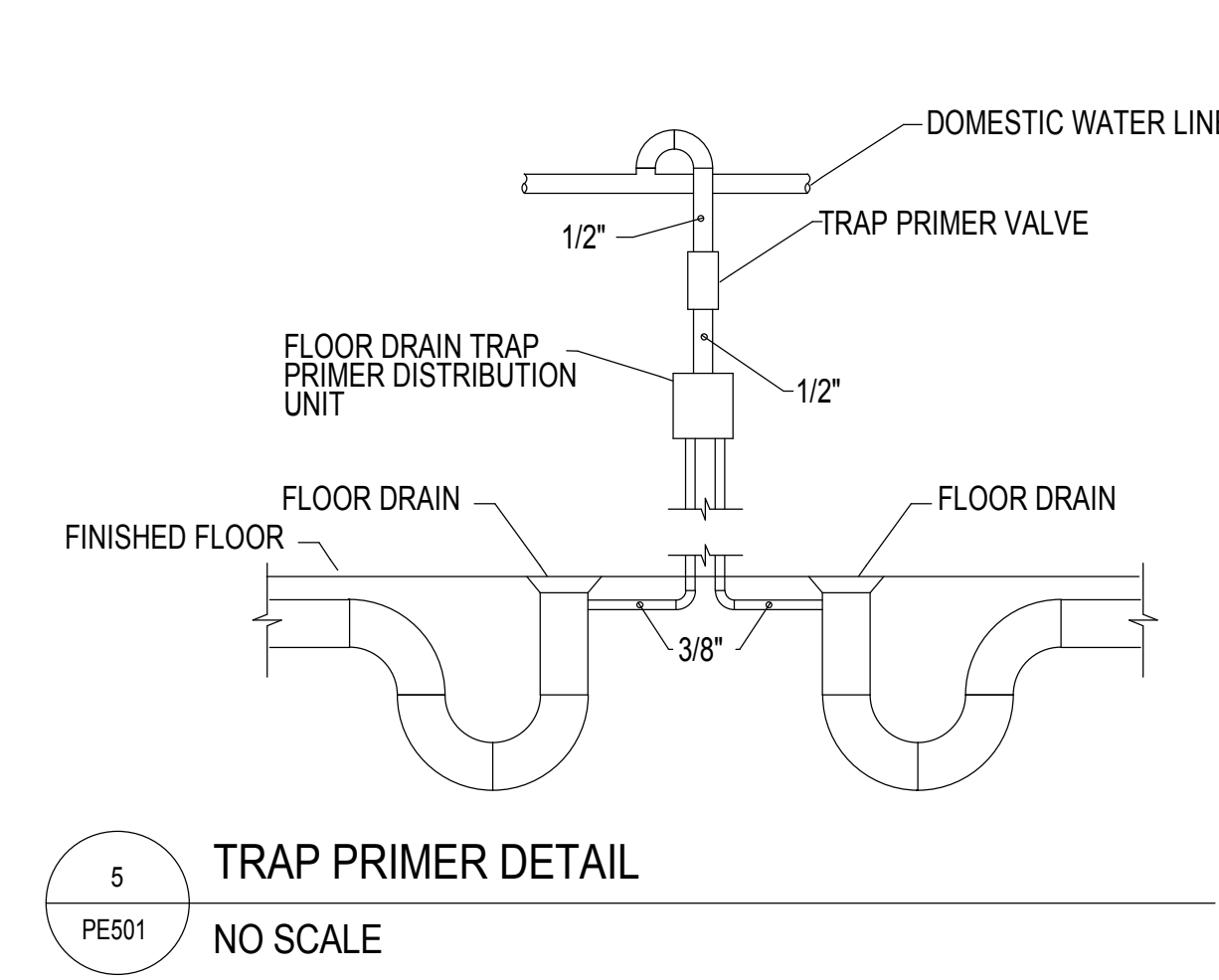
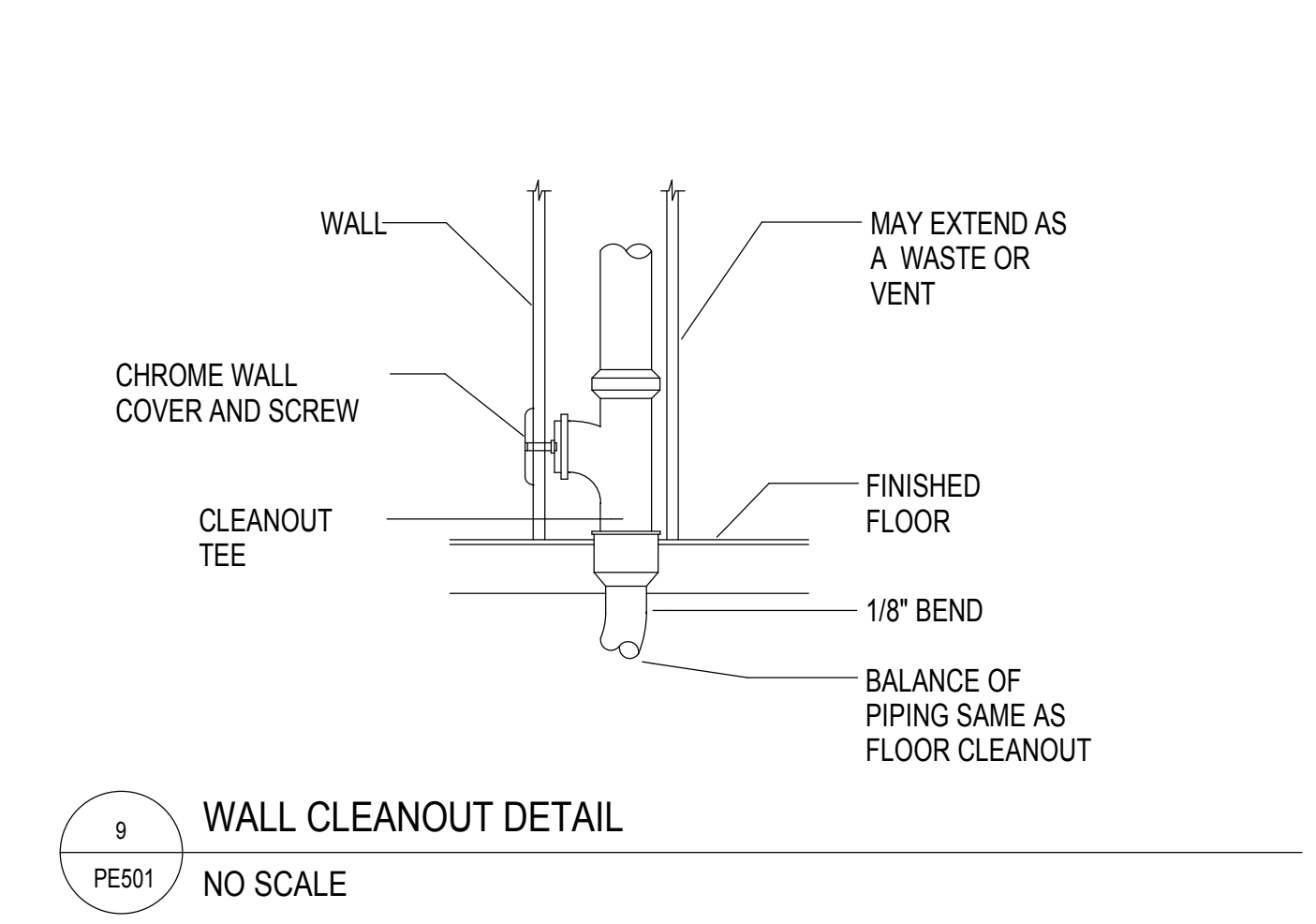
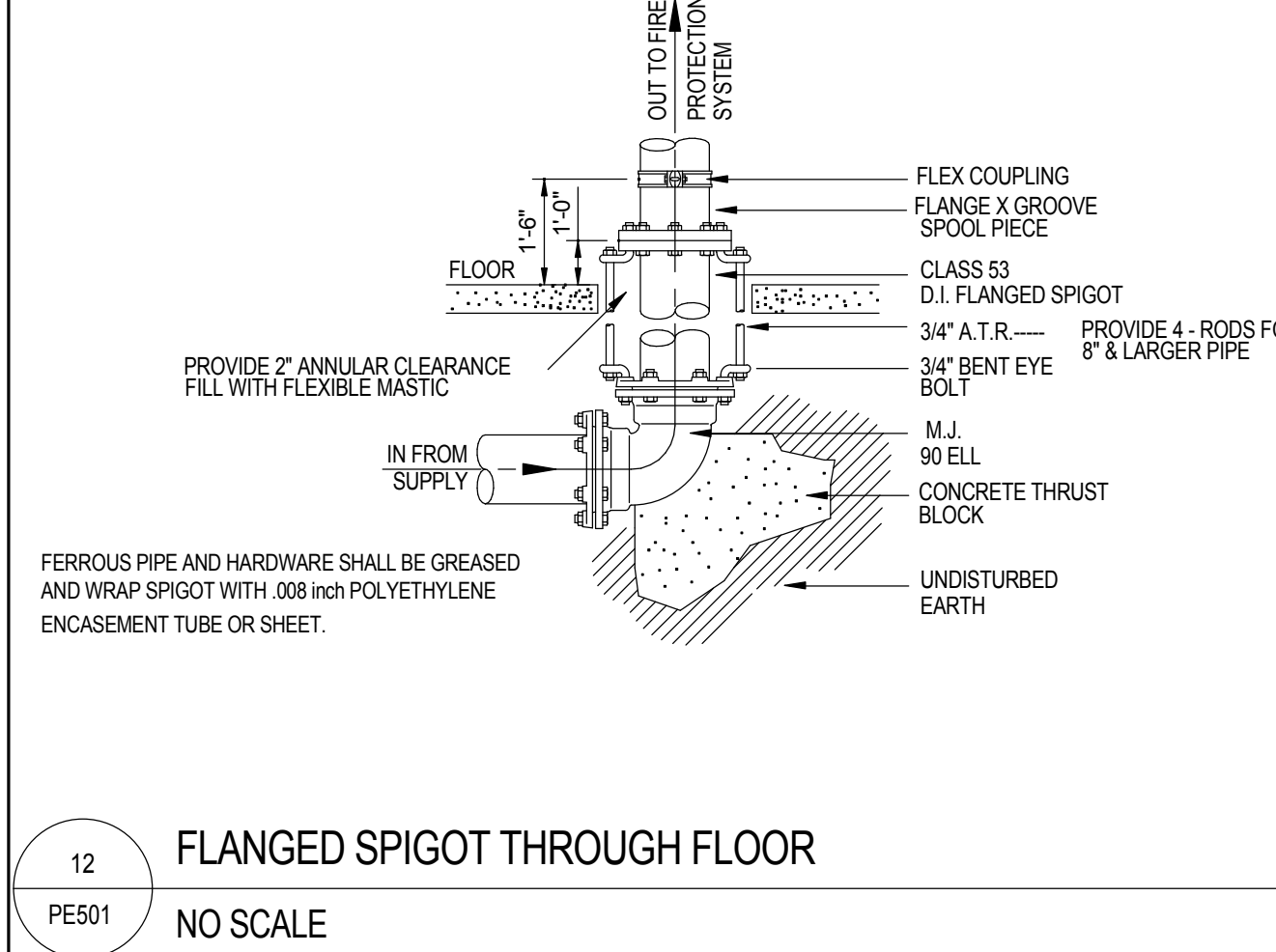
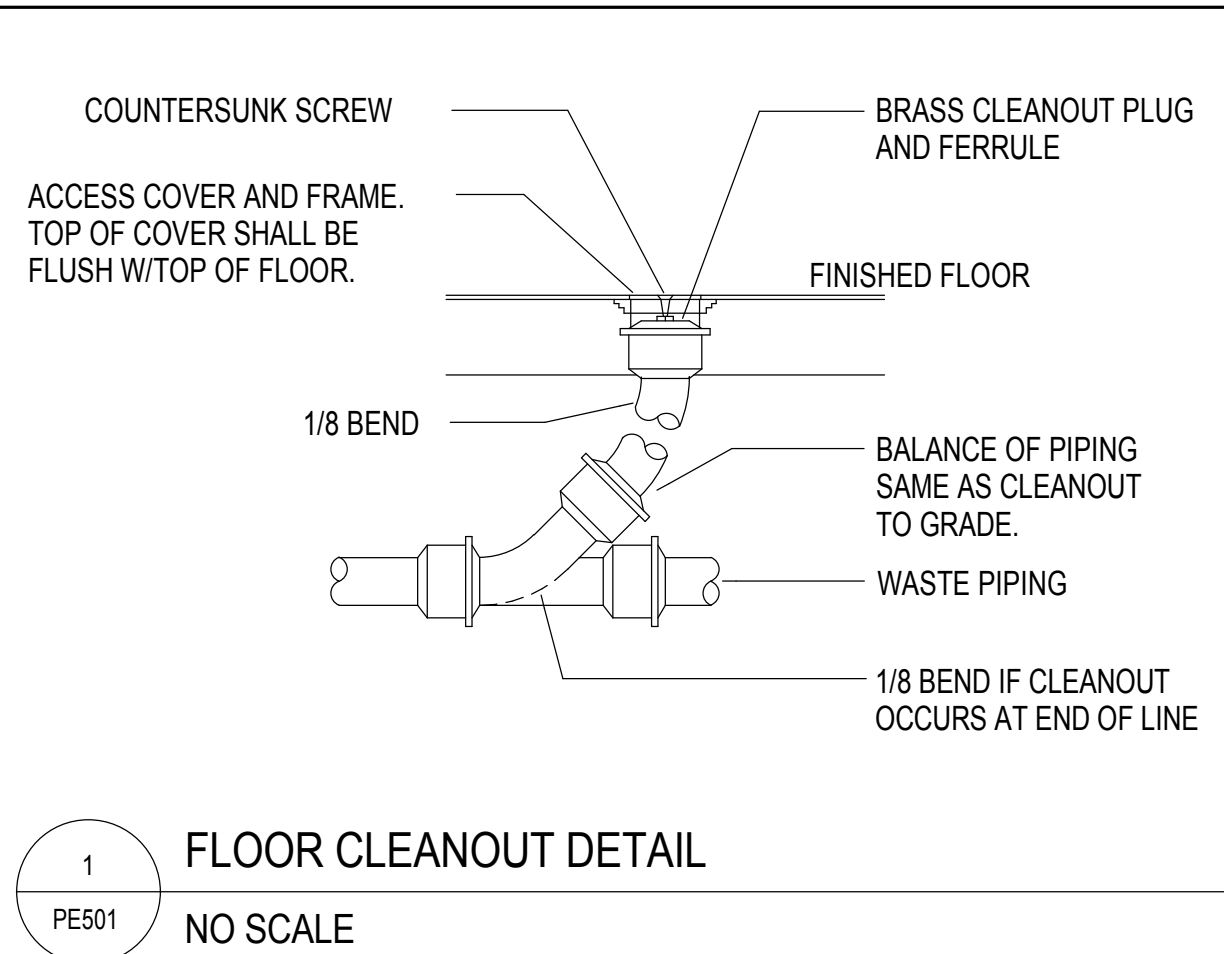
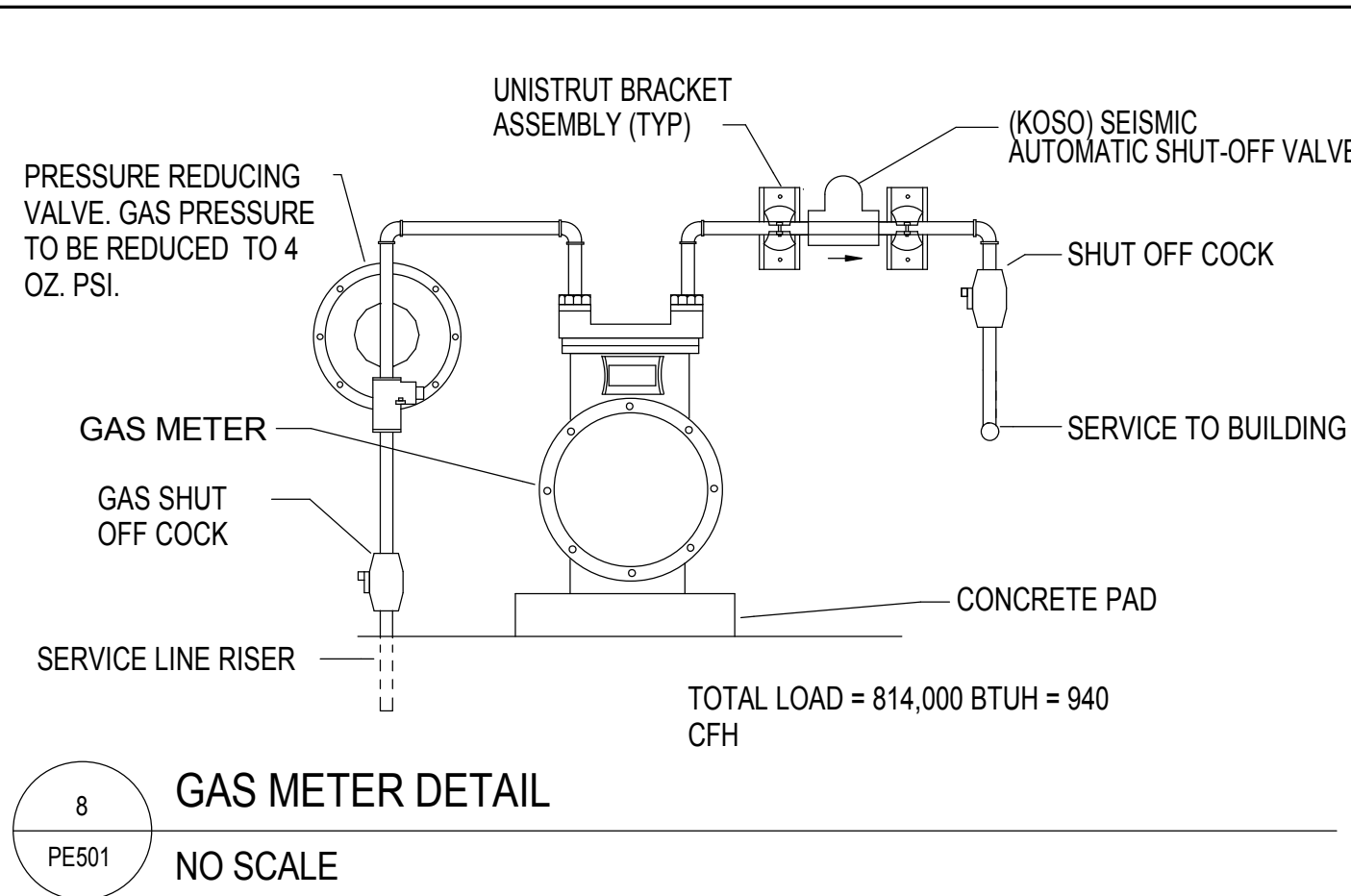
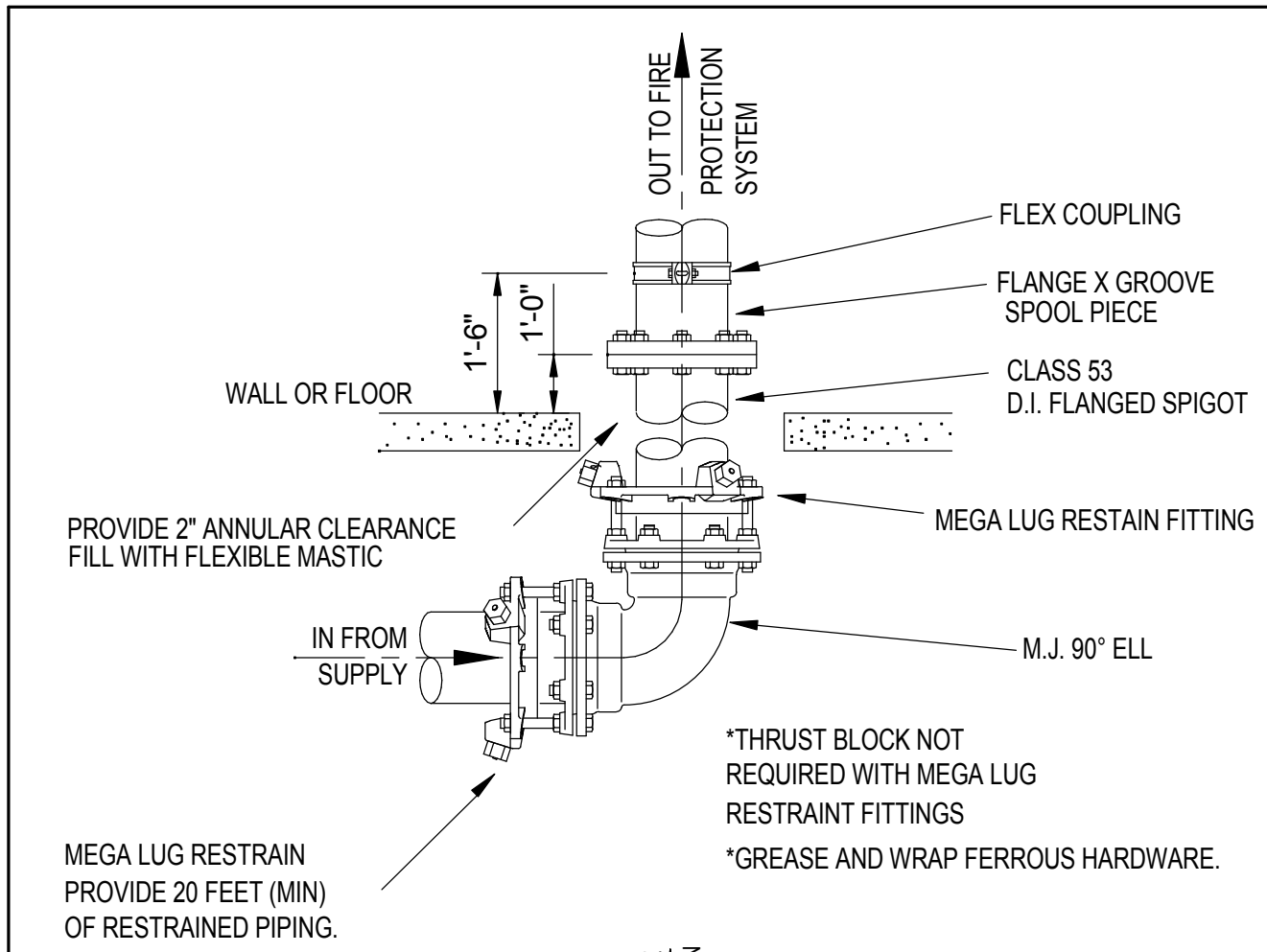
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ENLARGED MAIN LEVEL PLUMBING PLAN

PE401





BRANCH WATER LINE SCHEDULE							
FIXTURE	FIXTURE UNITS	QUANTITY OF FIXTURES SERVED BY					
		1/2"	3/4"	1"	1-1/4"	1-1/2"	2"
WATER CLOSET (FLUSH VALVE)	10	---	---	1	3	5	15
WATER CLOSET (TANK TYPE)	3	1	2	4	10	---	---
URINAL	5	---	1	2	6	10	30
LAVATORY	2	1	3	6	15	25	---
SERVICE SINK	4	---	1	3	---	---	---
QUANTITY OF FIXTURE UNITS SERVED BY	---	3	6	12	30	50	150
NOTE: WHERE PIPING IS SIZED ON DRAWINGS IT SHALL BE FOLLOWED. OTHERWISE INSTALL ACCORDING TO TABLE. WHERE FIXTURES ON A BRANCH ARE MIXED, TAKE THE SUM OF FIXTURE UNITS TO DETERMINE SIZING. THE BRANCHES SHALL BE REDUCED AS THE LOAD IS TAKEN OFF. MINIMUM SIZE TO ONE (1) FIXTURE SHALL BE 1/2".							

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PLUMBING
DETAILS

PE501

PLUMBING FIXTURE SCHEDULE							
ID	FIXTURE	CW (IN)	HW (IN)	W (IN)	V (IN)	NOTES	SPECIFICATIONS
DSN-1	DOWNSPOUT NOZZLE	--	--	--	--	SEE PLANS FOR SIZE	DOWNSPOUT NOZZLE: SMITH 1770 DOWNSPOUT NOZZLE WITH CAST BRONZE BODY AND FLANGE.
DSP-1	GARBAGE DISPOSER	--	--	1 1/2	1 1/2	120 V/60 Hz/1 Ph.	GARBAGE DISPOSER: INSINKERATOR BADGER 5 FOOD WASTE DISPOSER WITH 1/2 HORSEPOWER MOTOR, 120 VOLT/1 PHASE POWER CONNECTION, 6.9 AMPS. PROVIDE WITH WALL SWITCH.
EWC-1	ELECTRIC WATER COOLER	1/2	--	1 1/2	1 1/2	ADA, DUAL STATION, RECESSED COOLER	ELECTRIC WATER COOLER: ELKAY ERPB28RAK DUAL STATION, WALL MOUNTED, BARRIER FREE, ADA ELECTRIC WATER COOLER WITH FLEXIBLE BUBBLER GUARD, STAINLESS STEEL BOWLS AND RECESSED REFRIGERATION SYSTEM. COMPRESSOR TO BE 115V, 60 HZ WITH CAPACITY TO DELIVER AT LEAST 8.0 GPH OF 50F WATER. 1-1/2" CAST BRASS CHROME-PLATED P-TRAPS. ADA SIDE TO BE ON THE LEFT.
FD-1	FLOOR DRAIN	--	--	2	2	RESTROOM	FLOOR DRAIN (RESTROOM): SMITH FIGURE 2005Y-P050 FLOOR DRAIN WITH CAST IRON BODY AND FLASHING COLLAR WITH ROUND NICKEL BRONZE ADJUSTABLE STRAINER HEAD WITH SECURED GRATE AND TRAP PRIMER CONNECTION.
FD-2	FLOOR DRAIN	--	--	2	2	MECHANICAL ROOM	FLOOR DRAIN (MECHANICAL ROOM): SMITH 2220Y-P050 FLOOR DRAIN WITH CAST IRON BODY AND FLASHING COLLAR WITH 8" CAST IRON GRATE AND SEDIMENT BUCKET, 3" OUTLET, NO-HUB CONNECTION; PROVIDE P-TRAP WITH TRAP PRIMER CONNECTION.
HB-1	HOSE BIB	3/4	--	--	--	--	HOSE BIBB: ACORN 8126 HOSE VALVE WITH VACUUM BREAKER, 3/4" MALE HOSE THREAD AND LOOSE KEY HANDLE.
L-1	STAFF LAVATORY	1/2	1/2	1 1/2	1 1/2	COUNTER MOUNTED	LAVATORY (COUNTER MOUNTED): KOHLER K-2196-4 PENNINGTON SELF RIMMING VITREOUS CHINA OVAL LAVATORY WITH 4" FAUCET CENTERS; K-7715 OPEN GRID STRAINER; TECHNICAL CONCEPTS 500484 MILANO BATTERY POWERED SENSOR FAUCET WITH 0.5 GPM VANDAL RESISTANT AERATOR. FAUCET TO BE PROVIDED WITH FACTORY MIXING VALVE WITH 3/8" COMPRESSION CONNECTIONS AND IN-LINE CHECKS. PROVIDE WATTS NO. 7 DUAL CHECKS IN HOT AND COLD SUPPLIES. PROVIDE LOOSE KEY ANGLE STOPS AND CHROME PLATED COPPER SUPPLIES AND 17 GA. CAST BRASS, CHROME PLATED "P" TRAP. COVER ALL EXPOSED PIPING WITH WHITE "HAND-LAV GUARD" PROTECTOR AS NEEDED TO MEET ADA REQUIREMENTS.
L-2	PUBLIC LAVATORY	1/2	1/2	1 1/2	1 1/2	WALL HUNG	LAVATORY (WALL HUNG): KOHLER K-2032 GREENWICH 20" X 18", "D" SHAPED BOWL, VITREOUS CHINA, WALL-MOUNT LAVATORY WITH DUAL FRONT OVERFLOW, 4" FAUCET CENTERS; K-7715 OPEN GRID STRAINER; TECHNICAL CONCEPTS 500484 MILANO BATTERY POWERED SENSOR FAUCET WITH 0.5 GPM MAXIMUM FLOW. FAUCET TO BE PROVIDED WITH FACTORY MIXING VALVE WITH 3/8" COMPRESSION CONNECTIONS AND IN-LINE CHECKS. PROVIDE WATTS NO. 7 DUAL CHECKS IN HOT AND COLD SUPPLIES. PROVIDE VANDAL RESISTANT AERATOR. PROVIDE LOOSE KEY ANGLE STOPS AND CHROME PLATED COPPER SUPPLIES AND 17 GA. CAST BRASS, CHROME PLATED "P" TRAP. COVER ALL EXPOSED PIPING WITH WHITE "HAND-LAV GUARD" PROTECTOR TO MEET ADA REQUIREMENTS.
NFH-1	NON FREEZE WALL HYDRANT	3/4	--	--	--	--	NON-FREEZE HYDRANT: SMITH 5609QT NON-FREEZE WALL HYDRANT FOR WALL THICKNESS SHOWN ON PLAN. BRONZE HYDRANT, 3/4-INCH CONNECTION WITH BRASS CASING, INTEGRAL SELF-DRAINING VACUUM BREAKER, AND LOOSE KEY.
RD-1	ROOF DRAIN	--	--	--	--	SEE PLANS FOR SIZE	ROOF DRAIN: SMITH FIGURE 1010Y CAST IRON BODY WITH COMBINED FLASHING CLAMP AND CAST IRON GRAVEL STOP, CAST IRON DOME, SUMP RECEIVER AND UNDERDECK CLAMP.
RD-2	ROOF DRAIN	--	--	--	--	SEE PLANS FOR SIZE	ROOF DRAIN: SMITH FIGURE 1540T CAST IRON BODY WITH COMBINED FLASHING CLAMP AND LOOSE SET GRATE.
RDO-1	ROOF DRAIN OVERFLOW	--	--	--	--	SEE PLANS FOR SIZE	ROOF DRAIN OVERFLOW: SMITH FIGURE 1080Y CAST IRON BODY WITH COMBINED FLASHING CLAMP AND CAST IRON GRAVEL STOP, CAST IRON DOME, 2" HIGH WATER COLLAR, SUMP RECEIVER AND UNDERDECK CLAMP.
S-1	KITCHEN SINK	1/2	1/2	2	1 1/2	COUNTER MOUNTED, SINGLE COMPARTMENT	SINK: JUST SL-2017-A-GR 14" X 14" X 7-1/2" DEEP, 18-GAUGE, TYPE 304 STAINLESS STEEL, COUNTER MOUNTED SINK WITH 8" CENTERS DRILLING;CHICAGO 1100-CP FAUCET, 2" INDEXED SINGLE WING CANOPY HANDLES, L8 SWING SPOUT WITH 2.2 GPM PRESSURE COMPENSATING AERATOR; FLEXIBLE STAINLESS STEEL SUPPLIES WITH LOOSE KEY ANGLE STOPS; JUST J-35 STAINLESS STEEL CUP STRAINER AND CAST BRASS P-TRAP WITH CLEAN-OUT PLUG.
SS-1	SERVICE SINK	3/4	3/4	3	2	--	JANITOR SINK (FLOOR MOUNTED, CORNER): KOHLER K6710, WHITBY, 28 X 28-INCH, ENAMELED CAST IRON FLOOR-MOUNTED CORNER MODEL, K9146-3" DRAIN WITH STRAINER, NO. K8940 REMOVABLE VINYL-COATED RIM GUARD, CHICAGO 897 FAUCET WITH VACUUM BREAKER, SCREWDRIVER STOPS IN SHANKS, 5 FOOT RUBBER HOSE AND WALL HOOK, 853.
TP-1	TRAP PRIMER	1/2	--	--	--	FLUSH VALVE TYPE	TRAP PRIMER: PRECISION PLUMBING PRODUCTS, INC. (PPP) FVP-1VB FLUSH VALVE PRIMER FOR ONE DRAIN; 1/2" COPPER TUBE CONNECTION TO FLOOR DRAIN P-TRAP, INSTALL PER MANUFACTURER'S INSTRUCTIONS.
TP-2	TRAP PRIMER	1/2	--	--	--	SOLINOID TYPE, 115V	TRAP PRIMER: PRECISION PLUMBING PRODUCTS, INC. (PPP) MPB-500-115V MINI-PRIME ELECTRONIC TRAP PRIMING MANIFOLD WITH TIMER AND BOX; FOR 1 TO 4 FLOOR DRAINS; 1/2" COPPER TUBE CONNECTION TO EACH FLOOR DRAIN P-TRAP. PROVIDE DISTRIBUTION UNITS AS NEEDED FOR NUMBER OF FLOOR DRAINS SERVED, INSTALL PER MANUFACTURER'S INSTRUCTIONS.
U-1	URINAL	3/4	--	2	2	WALL HUNG, 1/8 GPF, ADA	URINAL: ZURN Z5798 VITREOUS CHINA ADA URINAL WITH 3/4" TOP SPUD, EXPOSED 0.125 GPF BATTERY POWERED SENSOR FLUSH VALVE; SMITH 0637 URINAL SUPPORT. SEE ARCHITECTURAL DRAWINGS FOR MOUNTING HEIGHTS.
WC-1	STAFF WATER CLOSET	1	--	4	2	FLOOR MOUNTED, MANUAL DUAL FLUSH VALVE	WATER CLOSET: KOHLER K-4350 WELCOMME VITREOUS CHINA, FLOOR MOUNTED, ELONGATED BOWL TOILET WITH K-4670-C LUSTRA OPEN FRONT SEAT; SLOAN UPPERCUT WES-111 MANUAL DUAL FLUSH, 1.6 GPF AND 1.1 GPF FLUSH VALVE; INSTALL ACTUATOR ON WIDE SIDE OF FIXTURE.
WC-2	STAFF WATER CLOSET	1	--	4	2	ADA, FLOOR MOUNTED, MANUAL DUAL FLUSH VALVE	WATER CLOSET: KOHLER K-4368 KINGSTON VITREOUS CHINA, FLOOR MOUNTED, ELONGATED BOWL, ADA TOILET WITH K-4670-C LUSTRA OPEN FRONT SEAT; SLOAN UPPERCUT WES-111 MANUAL DUAL FLUSH, 1.6 GPF AND 1.1 GPF FLUSH VALVE; INSTALL ACTUATOR ON WIDE SIDE OF FIXTURE.
WC-3	PUBLIC WATER CLOSET	1	--	4	2	FLOOR MOUNTED, SENSOR DUAL FLUSH VALVE	WATER CLOSET: KOHLER K-4350 WELCOMME VITREOUS CHINA, FLOOR MOUNTED, ELONGATED BOWL TOILET WITH K-4670-C LUSTRA OPEN FRONT SEAT; SLOAN ECOS 8111-1.6/1.1 ELECTRONIC DUAL FLUSH, BATTERY POWERED, SIDE MOUNT SENSOR OPERATED, 1.6 GPF AND 1.1 GPF FLUSH VALVE; INSTALL ACTUATOR ON WIDE SIDE OF FIXTURE.
WC-4	PUBLIC WATER CLOSET	1	--	4	2	ADA, FLOOR MOUNTED, SENSOR DUAL FLUSH VALVE	WATER CLOSET: KOHLER K-4368 KINGSTON VITREOUS CHINA, FLOOR MOUNTED, ELONGATED BOWL, ADA TOILET WITH K-4670-C LUSTRA OPEN FRONT SEAT; SLOAN ECOS 8111-1.6/1.1 ELECTRONIC DUAL FLUSH, BATTERY POWERED, SIDE MOUNT SENSOR OPERATED, 1.6 GPF AND 1.1 GPF FLUSH VALVE; INSTALL ACTUATOR ON WIDE SIDE OF FIXTURE.
WO-1	WATER OUTLET	1/2	--	--	--	REFRIGERATOR CONNECTION	WATER OUTLET: LSP OB-801 PLASTIC ICEMAKER BOX WITH QUARTER TURN BALL VALVE WITH 1/4" OUTLET.

1. ALL UNDER GROUND WASTE AND VENT SHALL BE 2" OR GREATER PER DRAWINGS.

DOMESTIC EXPANSION TANK SCHEDULE									
ID	MANUFACTURER AND MODEL NUMBER	LOCATION	TYPE	WORKING FLUID	PHYSICAL				NOTES
					TANK SIZE (GAL)	RELIEF VALVE (PSIG)	DIA/ HEIGHT (IN)	NPT FITTING (IN)	
DET-1	AMTROL ST-12	MECHANICAL ROOM	BUTYL DIAPHRAGM	DOMESTIC HOT WATER	4.4	150	11/15	3/4	1

1. TANK LINER SUITABLE FOR POTABLE WATER

DOMESTIC PUMP SCHEDULE											
ID	MANUFACTURER AND MODEL NUMBER	LOCATION	TYPE	FLUID		HEAD LOSS (FT)	PUMP CONSTRUCTION	ELECTRICAL			NOTES
				FLOW RATE (GPM)	WORKING FLUID			MOTOR SIZE (HP)	MOTOR SPEED (RPM)	VOLT/PH/Hz	
RCP-1	B&G PL-30	MECHANICAL ROOM	CIRCULATION	4	DOMESTIC HOT WATER	10	BRONZE	1/12	2650	120/1/60	--

GAS FIRED WATER HEATER SCHEDULE										
ID	MANUFACTURER AND MODEL NUMBER	SERVICE	INPUT LOAD (BTUH)	EFFICIENCY (%)	TYPE	RECOVERY RATE @ 100 F DELTA T	TANK SIZE (GAL)	FLUE SIZE (IN)	HEIGHT/ DIAMETER (IN)	NOTES
WH-1	AO SMITH BT-65	DOMESTIC HOT WATER	65,000	80	TANK	60	65	4	65/24	--

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PLUMBING
SCHEDULES

PE601

FIXTURE SCHEDULE									
TYPE	DESCRIPTION	MANFR.	MODEL	CAT No.	VOLTS	LAMP #	LAMP	TEMP	
A	2 X 4 RECESSED FLUORESCENT, GRID MOUNT CENTER BASKET, PERFORATED BLADE LOUVER 2 LAMP T8.	LITHONIA	AVANTE	2AV-F-3-32-SBL-120 71 BF PROGRAM	120 V	2	F32T8/XPS/ECO	3200 K	
A1	1X4 RECESSED FLUORESCENT, FLANGE MOUNT A12.125 LENS, 2 LAMP T8, 71 B.F.	LITHONIA	AVANTE	SP8-F-2-32-RW-A12125-120 71 B.F. PROGRAM START	120 V	2	F32T8/XPS/ECO	3200 K	
A2	2 X 4 RECESSED FLUORESCENT, GRID MOUNT CENTER BASKET, PERFORATED BLADE LOUVER 2 LAMP T8, BI-LEVEL BALLAST	LITHONIA	AVANTE	2AV-G-2-32-SBL-120-BI-LEVEL BALLAST	120 V	2	F32T8/XPS/ECO	3200 K	
A2a									
A3	SAME AS A2 EXCEPT 3 LAMP T8, BI-LEVEL SWITCHING	LITHONIA	AVANTE	2AV-G-3-32-SBL-MVOLT-BI-LEVEL	120 V	3	F32T8/XPS/ECO	3200 K	
A4	4 X 4 RECESSED INDIRECT, GRID MOUNT PERFORATED BASKET ON ALL 4 SIDES 4 LAMP T8, 0-10 VOLT DIMMING BALLAST CONTROL WITH DAYLIGHT SENSOR	FOCAL POINT	SKY	FSK-44-B-4-T5-D-277-G-PS-WH 0-10 VOLT DIMMING BALLAST	120 V	4	F32T8/XPS/ECO	3200 K	
C	SURFACE FLUORESCENT DRUM	KENALL	MILLUNIUM	MR13FL-LG-P1A-32P-1-120	120 V	1	CFM32W/GX24Q-1	3200 K	
CF	54" CEILING FAN	MODERN FAN	ALTUS	BA-52-AL-ORB-NL-001	120 V	0		3200 K	
D6	6 INCH RECESSED COMPACT FLUORESCENT (1) 32 TRT HORIZONTAL LAMP DIFFUSE AR REFLECTOR FINISH	GOTHAM	AF	AF-1/32TRT-6AR-LD-120	120 V	1	CFM32W/GX24Q-1	3200 K	
O1	20' SINGLE POLE, TYPE IV SC 200 WATT MH PULSE START STANDARD COLOR BY ARCHITECT	LITHONIA	KSF	KSF1-200M-R4SC-208-SP04-SCWA-DF-SC BA-LPI-SSS-20-4G-DM19	208 V	1	200 WATT PSMH INCLUDED	3200 K	
O2	20' DOUBLE POLE, TYPE IV SC 200 WATT MH PULSE START STANDARD COLOR BY ARCHITECT	LITHONIA	KSF	KSF1-200M-R4SC-208-SP04-SCWA-DF-SC BA-LPI-SSS-20-4G-DM28	208 V	2	200 WATT PSMH INCLUDED	3200 K	
OF	FLAG POLE FLOOD LIGHT	GARDCO	DF7	DF7ST-HSP-70W-MH-120-OC-F	120 V	1	70 W MH	3200 K	
S1	2 LAMP STRIP WITH WIRE GUARD PROVIDE CHAIN HANGERS FOR PLACES WHERE PROVIDE CHAIN HANGERS FOR PLACES WHERE	LITHONIA	C	C-2-32-120-WGCUH-C36 71 B.F. PROGRAM START	120 V	2	F032T8/XPS/ECO/35K	3200 K	
SC1	EXTERIOR WALL MOUNT SCNCE (2) 32 TRT 0 DEGREE BALLAST STANDARD COLOR BY ARCHITECT	LITHONIA	WSR	WSR-2-32-MD-120-DFL-ELDW-SCBA	120 V	2	CFM32W/GX24Q-1	3200 K	
UC2	2' UNDERCABINET LIGHT LIGHT FIELD MEASURE CABINET LENGTH BEFORE ORDERING	LITHONIA	N25	N25-25-120-GE8-RS	120 V	1	F25T8/XPS-ECO	3000 K	
X1	SINGLE FACE DIE CAST EXIT GREEN LETTERS, SEE PLANS FOR MOUNTING AND ARROWS STANDARD COLOR BY ARCHITECT	LITHONIA	LE	LE-S-SCBA-1-G-120/277	120 V	1	LED INCLUDED	3200 K	

LIGHT FIXTURE ABBREVIATION SCHEDULE		LIGHT FIXTURE GENERAL NOTES	
NOTE: NOT ALL ABBREVIATIONS WILL NECESSARILY BE USED.			
A.F.F.	ABOVE FINISH FLOOR	1. REFER TO THE ARCHITECTURAL REFLECTED CEILING PLANS FOR LOCATIONS OF LIGHT FIXTURES. BRING ALL DISCREPANCIES OF LOCATIONS AND QUANTITIES TO THE ATTENTION OF THE ARCHITECT AND ELECTRICAL ENGINEER PRIOR TO BIDDING. 2. REFER TO ARCHITECTURAL ELEVATIONS FOR MOUNTING HEIGHTS AND LOCATIONS OF LIGHT FIXTURES. BRING ALL DISCREPANCIES TO THE ATTENTION OF THE ARCHITECT PRIOR TO BIDDING. 3. REFER TO THE SPECIFICATIONS FOR OTHER LIGHT FIXTURE, FUSING, BALLAST, AND LAMP REQUIREMENTS AND ACCEPTABLE MANUFACTURERS. 4. REFER TO ARCHITECTURAL DRAWINGS AND SPECIFICATIONS FOR LOUVER REQUIREMENTS AS REQUIRED. 5. CONFIRM AVAILABLE MOUNTING DEPTHS OF ALL LIGHT FIXTURES AND COMPARE WITH DEPTHS SHOWN ON SHOP DRAWINGS. BRING ALL POTENTIAL CONFLICT AREAS TO THE ATTENTION OF THE ARCHITECT AND ELECTRICAL ENGINEER PRIOR TO RELEASE.	
WALL@CLG	WALL MOUNT AT CORNER OF WALL AND CEILING		
CCBA	CUSTOM PAINTED COLOR AS SELECTED BY THE ARCHITECT		
SCBA	STANDARD PAINTED COLOR AS SELECTED BY THE ARCHITECT		
CFBA	CUSTOM FINISH AS SELECTED BY THE ARCHITECT		
SFBA	STANDARD FINISH AS SELECTED BY THE ARCHITECT		
MOD	MODIFY STANDARD LIGHT FIXTURE AS INDICATED		
BIDDING REQUIREMENTS			
1. BID ONLY PRODUCTS THAT ARE SPECIFIED OR APPROVED BY ADDENDUM.			
2. PACKAGING OF LIGHT FIXTURES WITH OTHER SYSTEMS IS <u>NOT</u> ALLOWED.			
3. WHEN ONLY ONE PRODUCT IS APPROVED FOR BIDDING, THE PRICE FOR THAT ITEM SHALL BE BROKEN OUT SEPARATELY WHEN SUBMITTING PRICING TO VARIOUS DISTRIBUTORS AND/OR CONTRACTORS.			
4. WHEN A CONTRADICTION EXISTS BETWEEN A SPECIFIC MODEL NUMBER AND THE DESCRIPTION, THE DESCRIPTION SHALL GOVERN.			
PRIOR APPROVAL REQUIREMENTS			
1. PRIOR APPROVAL IS REQUIRED BEFORE BIDDING THIS PROJECT.			
2. PRIOR APPROVALS SHALL BE SUBMITTED TO THE ELECTRICAL ENGINEER'S OFFICE AT LEAST (8) EIGHT WORKING DAYS BEFORE THE BID. PRIOR APPROVALS RECEIVED AFTER THIS TIME PERIOD SHALL BE REJECTED.			
3. PRIOR APPROVALS SHALL BE SIGNED BY A PRINCIPAL OF THE SUBMITTING ORGANIZATION STATING THAT THEY HAVE PREPARED AND/OR REVIEWED THE SUBMITTAL AND THAT THE PRODUCTS PROPOSED ARE EQUIVALENT TO THOSE SPECIFIED. ANY EXCEPTIONS <u>SHALL</u> BE SO NOTED.			
4. ITEMS THAT ARE SUBMITTED AND HAVE BEEN APPROVED WILL BE LISTED IN THE ADDENDUM(S). VERBAL APPROVAL <u>WILL NOT</u> BE GIVEN ON ANY ITEM.			
5. IT IS <u>NOT</u> THE RESPONSIBILITY OF THE ELECTRICAL ENGINEER TO NOTIFY THE SUBMITTING PARTY OF ERRORS IN THE SUBMITTAL. NOTIFICATION OF ERRORS BY THE ELECTRICAL ENGINEER PRIOR TO ISSUANCE OF THE ADDENDUM(S) MAY NOT BE GIVEN.			
6. PRIOR APPROVALS SHALL CONSIST OF TWO SETS OF CUT SHEETS DESCRIBING THE PRODUCTS BEING SUBMITTED AS EQUIVALENTS. FAXES ARE <u>NOT</u> ACCEPTABLE. ALL SPECIFICATION INFORMATION SHALL BE CLEARLY MARKED, WITH NON-APPLICABLE INFORMATION CROSSED OUT. COMPLETE PHOTOMETRIC DATA SHALL BE PROVIDED. PRODUCTS WITHOUT PHOTOMETRIC DATA <u>WILL NOT</u> BE APPROVED.			
7. SUPPLY POINT-BY-POINTS AS REQUIRED BY THE ELECTRICAL ENGINEER AND/OR LIGHTING DESIGNER.			
8. SAMPLE FIXTURES MUST BE SUPPLIED WITH A CORD, PLUG AND 120V BALLAST.			
LIGHTING SHOP DRAWING REQUIREMENTS			
1. REFER TO SPECIFICATIONS 16001, 16510 & 16551.			
2. MUST INCLUDE BALLAST AND LAMP CUT SHEETS.			
3. LINEAR LIGHTING MUST INCLUDE DETAILED DRAWINGS WITH SUPPORT DETAILS, STEM LOCATIONS AND HAVE ALL LENGTHS IDENTIFIED WITH STEM LOCATIONS.			
4. COLOR SAMPLES MUST BE INCLUDED IN FIRST SUBMITTAL.			
5. CUT SHEETS MUST BE STAMPED WITH THE FACTORY REPRESENTATIVE'S COMPANY NAME.			
6. VALUE ENGINEERING CONDUCTED WITHOUT THE DESIGN TEAM IE; ARCHITECT, OWNER, ENGINEER & LIGHTING CONSULTANT/DESIGNER WILL NOT BE ALLOWED, REVIEWED OR APPROVED.			
7. PROVIDE A LIST OF SPARE PARTS, EQUIPMENT & LAMPS.			

EQUIPMENT SCHEDULE														
UNIT #	FUNCTION	LOAD	VOLT	PHASE	FULL LOAD	AMPS	CONDUIT	WIRES			OCPD	REF. NOTES		
								NO. SETS	NO.	SIZE		AMPS	STARTER	DISCONNECT
								SIZE	EQUIP. (NO. I)	TYPE				OTHER
AC-1	SPLIT AC UNIT INDOOR	1	24	1									11A	
CU-1	CONDENSING UNIT OUTDOOR	18 MCA	208	1	14.40	34"	1	2	12	12	CB	25	2A	
EF-1	EXHAUST FAN	25 HP	120	1	5.80	34"	1	2	12	12	CB	15	4A	
EF-2	EXHAUST FAN	130 VA	120	1	1.08	34"	1	2	12	12	CB	15	4A	
EF-3	EXHAUST FAN	130 VA	120	1	1.08	34"	1	2	12	12	CB	15	4A	
RCP-1	RECIRCULATING PUMP	112 HP	120	1	3.00	34"	1	2	12	12	CB	15	4A	
RTU-1	ROOFTOP UNIT	34.3 MCA	208	3	27.44	34"	1	3	6	10	CB	50	2A	
RTU-2	ROOFTOP UNIT	18.9 MCA	208	3	15.12	34"	1	3	10	10	CB	25	2A	
RTU-3A	ROOFTOP UNIT	61.2 MCA	208	3	48.96	1"	1	3	4	8	CB	70	2A	
RTU-3B	ROOFTOP UNIT	61.2 MCA	208	3	48.96	1"	1	3	4	8	CB	70	2A	
RTU-4	ROOFTOP UNIT	23.4 MCA	208	3	18.72	34"	1	3	10	10	CB	30	2A	
RTU-5	ROOFTOP UNIT	23.4 MCA	208	3	18.72	34"	1	3	10	10	CB	30	2A	
RTU-6	ROOFTOP UNIT	18.9 MCA	208	3	15.12	34"	1	3	10	10	CB	25	2A	
TP-2	TRAP PRIMER	1 FLA	120	1	1.00	34"	1	2	12	12	CB	15	11A	
NOTES: 1. NON-FUSED DISCONNECT SWITCH 2. FUSED DISCONNECT SWITCH 3. BREAKER IN ENCLOSURE 4. MANUAL STARTER WITH THERMAL OVERLOAD 5. MAGNETIC STARTER 6. MAGNETIC STARTER/NON-FUSED DISCONNECT COMBINATION 7. MAGNETIC STARTER/FUSED DISCONNECT COMBINATION 8. MAGNETIC STARTER/BREAKER COMBINATION 9. VARIABLE FREQUENCY DRIVE 10. REDUCED VOLTAGE STARTER 11. DIRECT CONNECTION 12. RECEPTACLE/SPECIAL PURPOSE OUTLET/ETC. 13. TWO-SPEED STARTER, COORDINATE WITH MOTOR TYPE 14. SOLID STATE SOFT STARTER A. FURNISHED, INSTALLED, AND CONNECTED UNDER DIVISION 16 B. FURNISHED AND INSTALLED UNDER ANOTHER DIVISION REQUIRING CONNECTION UNDER DIVISION 16. C. FURNISHED UNDER ANOTHER DIVISION BUT INSTALLED AND CONNECTED UNDER DIVISION 16. D. FURNISHED, INSTALLED AND CONNECTED UNDER ANOTHER DIVISION. CB = CIRCUIT BREAKER - THERMAL MAGNETIC COW = CHILLER KILOWATTS NOTE 1: PER 280.122(A), EQUIPMENT GROUND IS NOT REQUIRED TO BE LARGER THAN PHASE CONDUCTOR.														

ELECTRICAL SYMBOL SCHEDULE									
1. SEE FIXTURE SCHEDULE FOR TYPE, MOUNTING AND WATTAGE. 2. HEIGHT MEASURED TO CENTER LINE OF THE BOX FROM THE FINISH FLOOR. 3. REFER TO DRAWINGS FOR DIRECTIONAL ARROWS. 4. SUBSCRIPT KEYS SWITCH TO FIXTURES CONTROLLED. 5. NEMA TYPE 'ND' NON-FUSED UNLESS NOTED 'F' (FUSED). USE 'HD' 480 V. 6. HEIGHT TO BE THE LOWER OF EITHER 80" A.F.F. OR 6" BELOW CEILING.					7. PROVIDE H.O.A. AND S.S. PUSHBUTTONS AS REQUIRED. 8. DOUBLE ARROWS DENOTE A DOUBLE FACE UNIT. 9. COORDINATE WITH MILLWORK SHOP DRAWINGS AND ELEVATIONS FOR HEIGHT. 10. SUBSCRIPT DENOTES NEMA CONFIGURATION. 11. HEIGHT MEASURED TO BOTTOM OF THE BOX FROM FINISH FLOOR.				
STANDARD MOUNTING HEIGHT UNLESS OTHERWISE NOTED ON PLANS									
SYMBOL	DESCRIPTION	MOUNTING HEIGHT	NOTES		SYMBOL	DESCRIPTION	MOUNTING HEIGHT	NOTES	
	ONE CIRCUIT, TWO WIRE HOME RUN TO PANEL					TELEPHONE/DATA OUTLET	+16" OR AS NOTED	9. 11.	
	2 CIRCUIT, 3 WIRE, COMMON NEUTRAL HOME RUN					WIRELESS ACCESS POINT	CEILING		
	3 CIRCUIT, 4 WIRE, COMMON NEUTRAL HOME RUN					JUNCTION BOX (F" IN FLOOR)	AS NOTED		
	CONDUIT RUN CONCEALED IN WALL OR CEILING					MOTOR OUTLET	TO SUIT EQUIP.		
	CONDUIT RUN CONCEALED IN FLOOR OR GROUND					PHOTO-ELECTRIC CONTROL	AS NOTED		TORK 2000A
	CONDUIT UP					DIGITAL DAY-LIGHT SENSOR	CEILING		SEE DIAGRAM, SPECIFICATION
	CONDUIT DOWN					TIME CLOCK	+5'-0"	2.	
	CONDUIT STUB LOCATION	CAP CONDUIT				PUSHBUTTON	+4'-0"	2.	
	CABLE TRAY	AS NOTED				PANIC BUTTON	+4'-0"	2.	
	CEILING LIGHT FIXTURE	CEILING	1.			NON-FUSED DISCONNECT SWITCH	+5'-0"	5.	
	WALL LIGHT FIXTURE	AS NOTED	1.			FUSED DISCONNECT SWITCH	+5'-0"	5.	
	RECESSED DOWNLIGHT FIXTURE	CEILING	1.			MANUAL STARTER THERMAL OVERLOAD SWITCH WITH PILOT LIGHT	+4'-0"	2.	
	RECESSED WALLWASH DOWNLIGHT FIXTURE	CEILING	1.			MAGNETIC STARTER	+5'-0"	7.	
	FLUORESCENT LIGHT FIXTURE	AS NOTED	1.			MAGNETIC STARTER / DISCONNECT COMBINATION	+5'-0"		
	FLUORESCENT EGRESS LIGHT FIXTURE	AS NOTED		UNSWITCHED		VARIABLE FREQUENCY DRIVE	+6'-6"		
	AREA LIGHT POLE AND FIXTURE	CONCRETE BASE		SEE DIAGRAM		PANEL BOARD	TOP AT +6'-0"		
	CEILING MOUNTED EXIT LIGHT	CEILING	1.3.8.			MAIN DISTRIBUTION PANEL			
	WALL MOUNTED EXIT LIGHT	AS NOTED	1.3.8.			TELEPHONE TERMINAL BOARD			
	SINGLE POLE SWITCH	+4'-0"	2.			BELL	+7'-6"		
	SINGLE POLE SWITCH	+4'-0"	4. 2.			CHIME	+7'-6"		
	THREE-WAY SWITCH	+4'-0"	2.			FIRE ALARM MANUAL STATION	+4'-0"	2.	
	FOUR-WAY SWITCH	+4'-0"	2.			FIRE ALARM SIGNAL HORN/STROBE	+6'-8"	6.	
	SWITCH WITH PILOT LIGHT	+4'-0"	2.			FIRE ALARM STROBE	+6'-8"	6.	
	MOMENTARY CONTACT SWITCH, CENTER POSITION OFF	+4'-0"	2.			SMOKE DETECTOR	CEILING		
	SINGLE GANG LV LIGHTING CONTROL WITH MULTIPLE BUTTONS	+4'-0"	2.			DUCT SMOKE DETECTOR			MTD. IN DUCT
	OCCUPANCY SENSOR	CEILING				FIRE/SMOKE DAMPER			
	OCCUPANCY SENSOR	+4'-0"	2.			DOOR HOLDER	AS NOTED		
	POWER PACK	CEILING		SEE DIAGRAM, SPEC.		FLOW SWITCH			
	DUPLEX RECEPTACLE	+16" OR AS NOTED	9. 11.			TAMPER SWITCH			
	DUPLEX RECEPTACLE		9.			WATER FLOOD INDICATOR			
	ELECTRIC WATER COOLER RECEPTACLE			SEE DIAGRAM		O.S. & Y. VALVE			SEE DIAGRAM
	WEATHERPROOF RECEPTACLE	+24" OR AS NOTED	2. 9.			FIRE ALARM RELAY			
	GROUND FAULT INTERRUPTER DUPLEX RECEPTACLE	+16" OR AS NOTED	9. 11.			FIRE ALARM CONTROL MODULE			
	DUPLEX RECEPTACLE EMERGENCY POWER (RED)	+15" OR AS NOTED	9. 11.			FIRE ALARM MONITOR MODULE			
	FOURPLEX RECEPTACLE	+16" OR AS NOTED	9. 11.			CLOSED CIRCUIT TELEVISION CAMERA	AS NOTED		
	FOURPLEX RECEPTACLE EMERGENCY POWER (RED)	+15" OR AS NOTED	9. 11.			INTERCOM SPEAKER	AS NOTED		
	FLOOR OUTLET WITH 20A DEVICE	FLOOR				VOLUME CONTROL	+4'-0"	2.	
	MULTIPLE SERVICE FLOOR BOX	FLOOR				MICROPHONE OUTLET	+16"	11.	
	SPECIAL PURPOSE OUTLET	+16" OR AS NOTED	10. WITH CAP. 11.			AUDIO CONTROL PANEL	+5'-0"	2.	
	TELEVISION OUTLET	+16" OR AS NOTED	11.			SOUND EQUIPMENT CABINET			CIRCUIT TO 120V
	DATA OUTLET	+16" OR AS NOTED	9. 11.			ARCHITECTURAL ROOM NUMBER			
	TELEPHONE OUTLET	+16" OR AS NOTED	9. 11.			LIGHT FIXTURE (LETTER DESIGNATES TYPE)			
						EQUIPMENT NUMBER			

SHEET INDEX	
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E302	MAIN FLOOR POWER PLAN
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SENSOR GENERAL NOTES

- THE ELECTRICAL CONTRACTOR SHALL BE RESPONSIBLE FOR CONTACTING THE SENSOR MANUFACTURER FOR PROPER PLACEMENT AND ADJUSTMENT OF OCCUPANCY SENSORS.
- EACH ZONE SHALL HAVE COVERAGE BY OCCUPANCY SENSOR SUCH THAT NO BLIND SPOT EXIST.
- UPON COMPLETION OF THE INSTALLATION, THE SYSTEM SHALL BE COMPLETELY COMMISSIONED BY THE MANUFACTURER'S FACTORY AUTHORIZED TECHNICIAN WHO WILL VERIFY ALL ADJUSTMENTS AND SENSOR PLACEMENT TO ENSURE A TROUBLE FREE INSTALLATION.
- THE LOCATION AND QUANTITIES OF SENSORS SHOWN ON THE DRAWINGS ARE DIAGRAMMATIC AND INDICATE ONLY THE ROOMS WHICH ARE TO BE PROVIDED WITH SENSORS. THE ELECTRICAL CONTRACTOR SHALL PROVIDE ADDITIONAL SENSORS IF REQUIRED TO PROPERLY COVER THE RESPECTIVE ROOM.

GENERAL NOTES

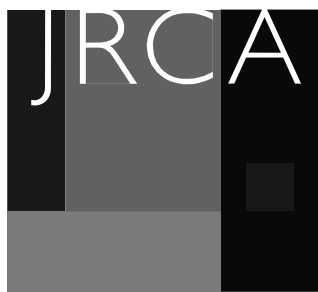
- CONSULT ARCHITECTURAL REFLECTED CEILING PLANS FOR EXACT LOCATION OF ALL LIGHTING FIXTURES.
- VERIFY ALL EQUIPMENT DIMENSIONS AND LOCATIONS BEFORE BEGINNING ROUGH IN. CONSULT ALL APPLICABLE CONTRACT DRAWINGS AND SHOP DRAWINGS TO INSURE NEC CODE CLEARANCES REQUIRED AROUND ALL ELECTRICAL EQUIPMENT.
- CONTRACTOR SHALL VERIFY ALL ELECTRICAL LOADS (VOLTAGE, PHASE, CONNECTION REQUIREMENTS, ETC.) OF EQUIPMENT FURNISHED UNDER DIVISION 15 WITH APPROVED MECHANICAL SHOP DRAWINGS BEFORE BEGINNING ROUGH IN.
- SEE SECTION 265100 OF THE SPECIFICATION REQUIRED COORDINATION MEETINGS WITH MECHANICAL AND CEILING CONTRACTORS.
- SEE APPLICABLE SHOP DRAWINGS FOR ROUGH IN LOCATION OF ALL EQUIPMENT, WIRING DEVICES, ETC. WHERE APPLICABLE MOUNT ALL WIRING DEVICES ABOVE BACK SPLASH EXCEPT THOSE SERVING UNDER COUNTER EQUIPMENT.
- SEE SPECIFICATION FOR ENERGY SAVING LAMP AND BALLAST REQUIREMENTS.
- FINISHES OF ALL LIGHT FIXTURES SHALL BE AS SELECTED BY ARCHITECT.
- THE ELECTRICAL CONTRACTOR SHALL NOTIFY AND COOPERATE WITH THE MECHANICAL CONTRACTOR SUCH THAT NO PIPING, DUCTS, OR EQUIPMENT FOREIGN TO THE OPERATION OF THE ELECTRICAL EQUIPMENT SHALL BE PERMITTED TO BE INSTALLED IN, ENTER OR PASS THRU ELECTRICAL ROOMS OR SPACES, OR ABOVE OR BELOW ELECTRICAL EQUIPMENT IN OTHER AREAS.
- ELECTRICAL BOXES SHALL NOT BE LOCATED IN MASONRY COLUMNS IN BRICK WALLS OR IN GROUTED CELLS ADJACENT TO OPENINGS. COORDINATE LOCATION OF BOXES WITH MASONRY CONTRACTOR.
- ALL PENETRATIONS OF FIRE RATED FLOORS, WALLS, AND CEILINGS SHALL BE SEALED WITH APPROVED MATERIAL TO MAINTAIN FIRE RATING OF SURFACE PENETRATED.
- CIRCUITS EXTENDING OVER 70' FOR 120 VOLT AND 165' FOR 277 VOLT 20 AMP CIRCUITS SHALL BE RUN WITH MINIMUM #10 CONDUCTORS.
- REMOVE ALL DEVICES, BOXES AND CONDUIT IN WALLS THAT REMAIN.

SHEET KEYNOTES

- PROVIDE INTERIOR DIGITAL PHOTOCELL TO PROVIDE DAYLIGHT DIMMING CONTROL FOR LIGHTING IN ROOM THRU RELAY PANEL.

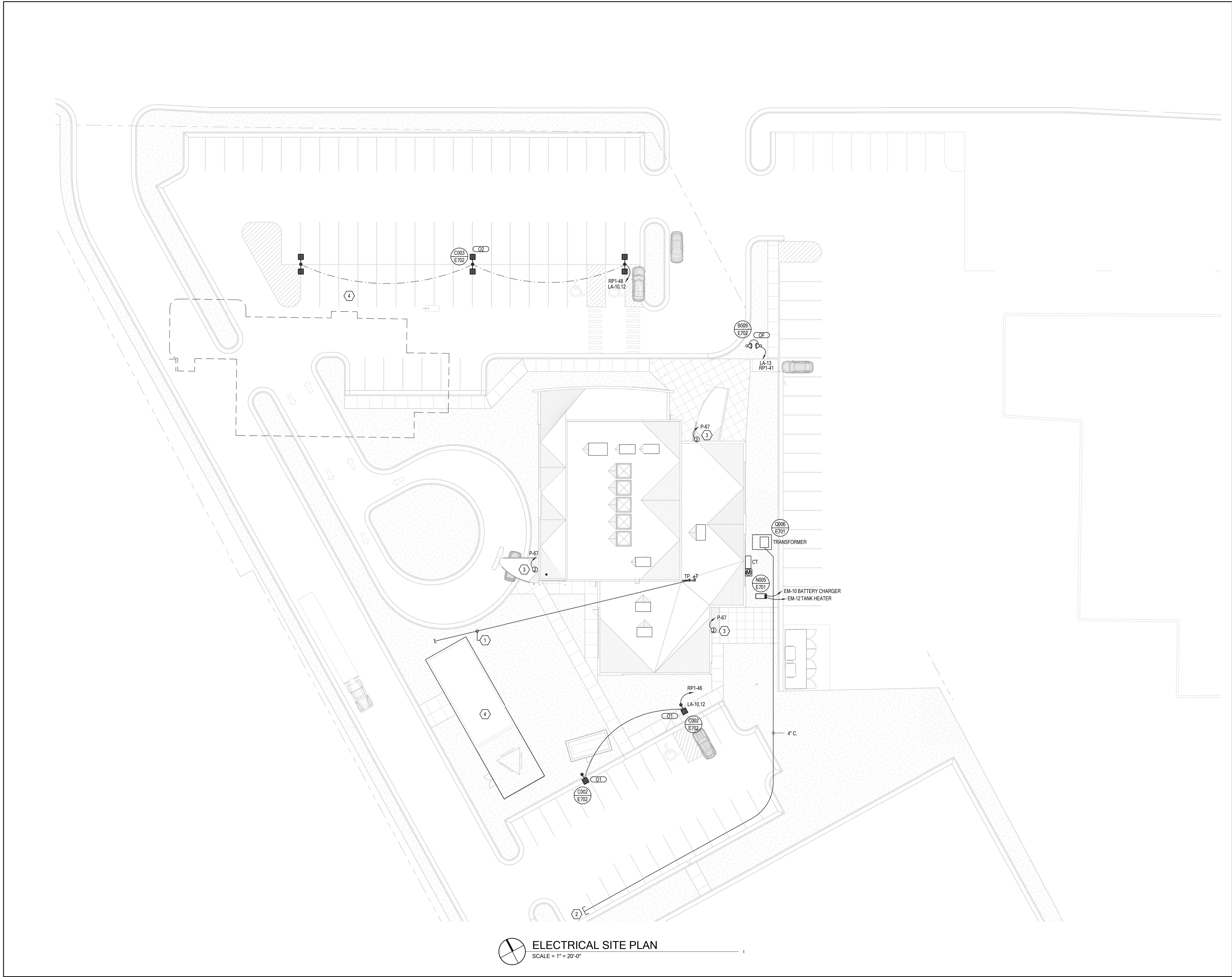
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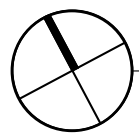
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 ELECTRICAL SITE PLAN
SCALE = 1" = 20'-0"

SHEET KEYNOTES

- 1 PROVIDE (4) 4" CONDUITS FROM NORTHEAST CORNER OF NEW COMMUNICATIONS ROOM TO EXISTING RADIO TOWER BUILDING.
- 2 PROVIDE 4" CONDUIT TO EXISTING SECTIONALIZER AT SOUTHEAST CORNER OF EXISTING BUILDING, PER ROCKY MOUNTAIN POWER REQUIREMENTS.
- 3 PROVIDE A 2' STAR PATTERN OF HEAT TAPE ON ROOF OF CANOPY AND A LOOP OF HEAT TAPE DOWN THE DOWN SPOUT.
- 4 LOCATE AND PRETECT EXISTING POWER AND TELEPHONE UTILITIES TO RADIO BUILDING WHICH REMAINS IN SERVICE AND EXISTING DRIVERS LICENSE BUILDING WHICH REMAINS IN SERVICE UNTIL NEW BUILDING IS COMPLETE.

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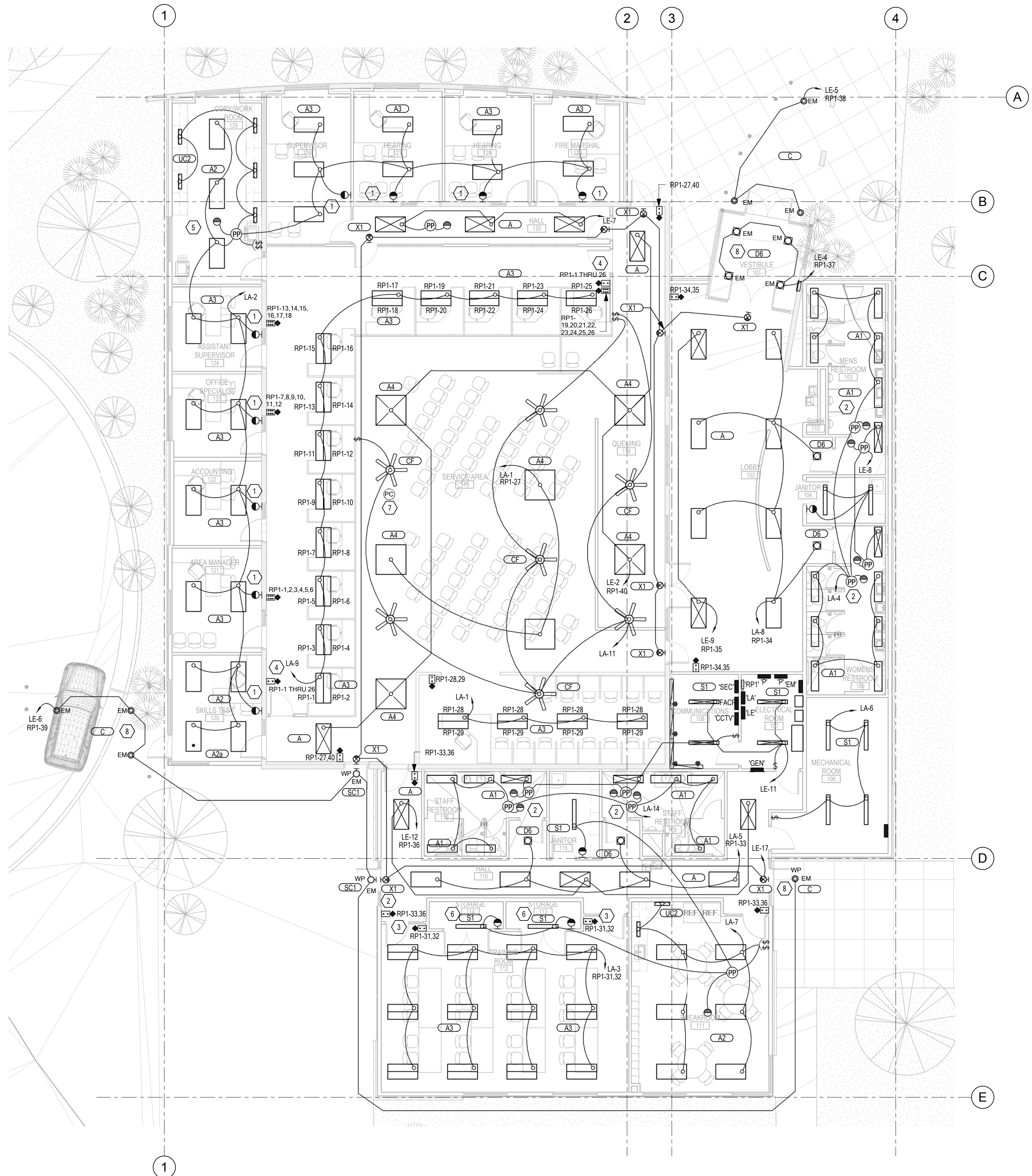


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ELECTRICAL SITE
PLAN

E101



 **MAIN FLOOR LIGHTING PLAN**
SCALE = 1/8" = 1'-0"

GENERAL SHEET NOTES

1. CIRCUIT EXITS TO CLOSEST EM CIRCUIT WITH UN-SWITCHED NOT-LEG.

SHEET KEYNOTES

1. DUAL TECHNOLOGY WALL SWITCH WITH TWO BUTTONS TO CONTROL 2 LEVELS OF LIGHTING. FIRST CIRCUIT IS AUTO ON/OFF. SECOND CIRCUIT IS MANUAL ON/AUTO OFF.
2. DUAL TECHNOLOGY CEILING SENSOR WITH INTEGRAL POWER PACK, CONTROLS, EMERGENCY AND NORMAL CIRCUITS. AUTO ON/OFF OFF.
3. TWO BUTTON LOW VOLTAGE SWITCH. EACH BUTTON TOGGLES ON/OFF A SEPARATE RELAY.
4. TWO BUTTON LOW VOLTAGE SWITCH. TOP BUTTON TOGGLES ON LOWEST LEVEL OF LIGHTING LABEL BUTTON ALL ON. BOTTOM BUTTON TURNS OFF ALL LOADS, LABEL ALL OFF.
5. DUAL TECHNOLOGY CEILING SENSOR. CONTROLS TWO SEPARATE LOADS. OVERHEAD LIGHTS ARE AUTO ON/AUTO OFF. UNDERCOUNTER LIGHTS ARE MANUAL ON/AUTO OFF.
6. MOUNT FIXTURE ON WALL ABOVE DOOR, CONTROL WITH WALL MOUNT SENSOR, AUTO ON/AUTO OFF.
7. PHOTO-CELL TO CONTROL A4 FIXTURES. SET POINT IS 30 FOOT CANDLES.
8. RUN CONDUIT ABOVE ROOF DECK IN FLUTES.

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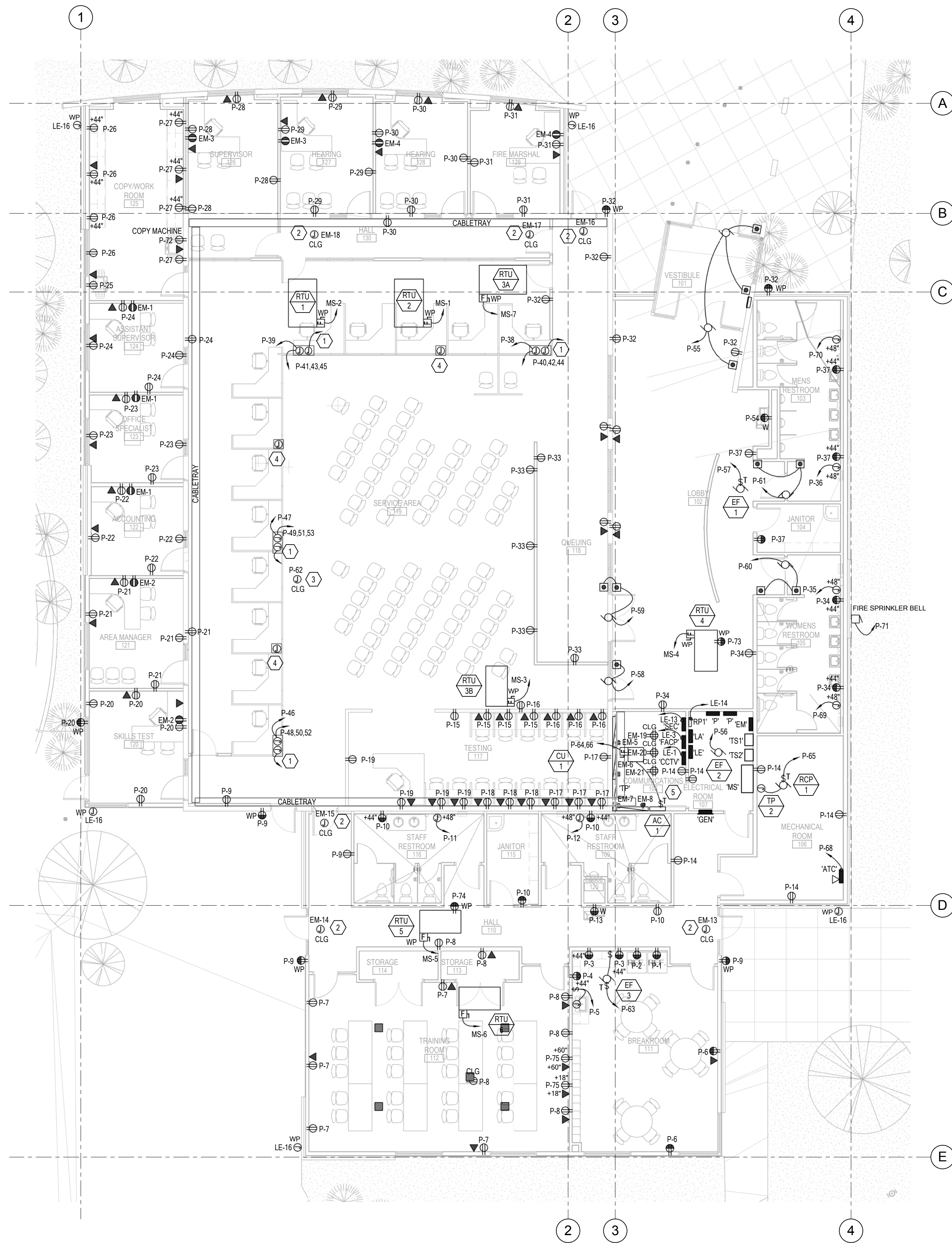


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**MAIN FLOOR
LIGHTNG PLAN**

E202



 MAIN FLOOR POWER PLAN
SCALE = 1/8" = 1'-0"

SHEET KEYNOTES

- 1 PROVIDE (2) 1" CONDUIT TO CABLE TRAY FOR FUTURE TELEPHONE AND DATA CABLES. PROVIDE PULL ROPE.
- 2 PROVIDE CONNECTION TO DOOR CONTROL POWER SUPPLY TYPICAL.
- 3 PROVIDE CONNECTION TO OWNER FURNISHED AUTOMATED NUMBER SYSTEM DISPLAY.
- 4 PROVIDE FLUSH FLOOR BOX WITH (2) 1" CONDUITS TO LAY-IN CEILING FOR FUTURE AUTOMATED NUMBERING SYSTEM CABLES. PROVIDE PULL ROPE.
- 5 COORDINATE EXACT LOCATION OF OUTLETS ABOVE DATA RACKS WITH STATE DTS INSTALLER PRIOR TO INSTALLATION.

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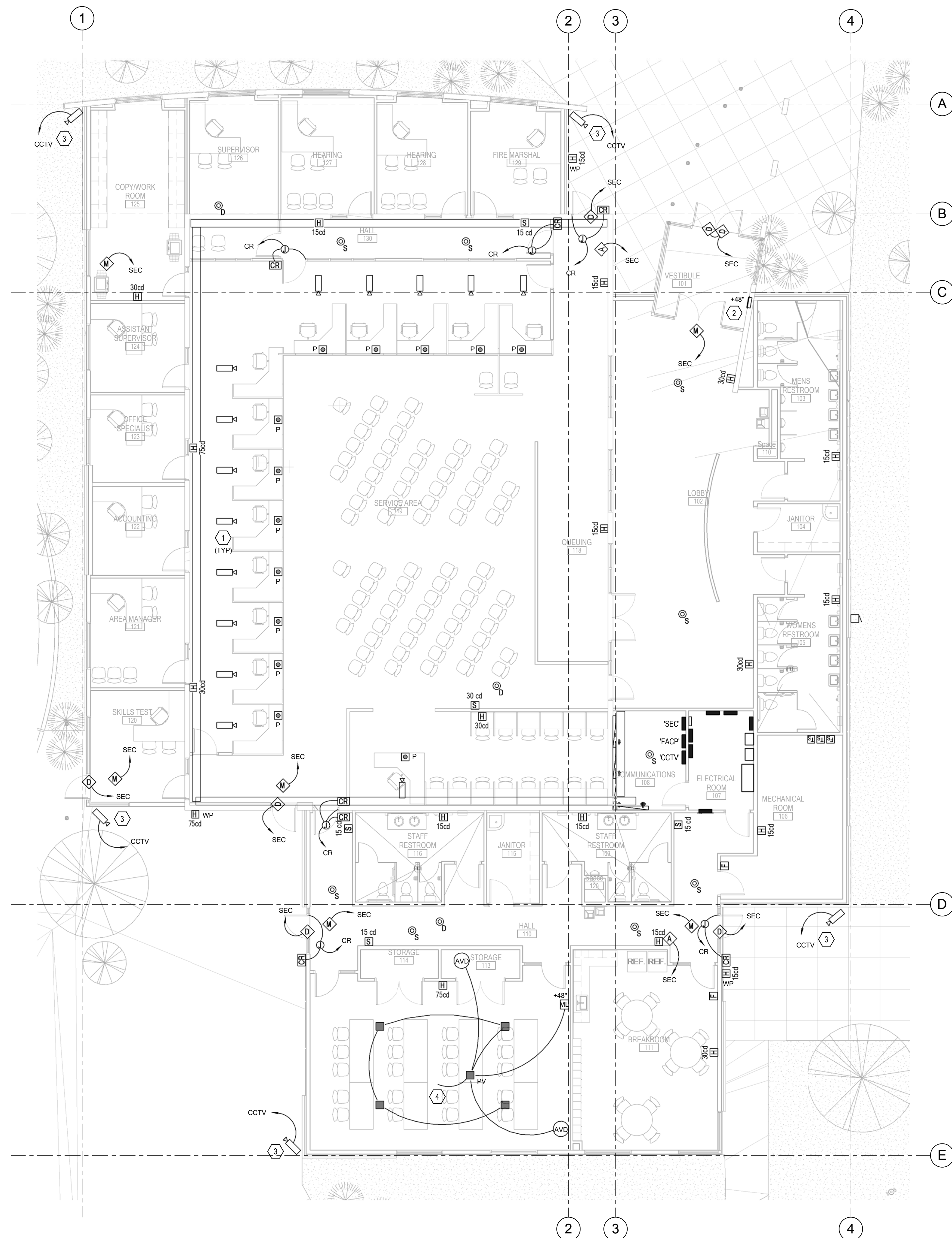


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MAIN FLOOR
POWER PLAN

E302



MAIN FLOOR SYSTEMS PLAN
SCALE = 1/8" = 1'-0"

SHEET KEYNOTES

- 1 FUTURE CCTV CAMERA BY THE OWNER (FOR REFERENCE ONLY).
- 2 FIRE ALARM REMOTE OPERATING PANEL (ANNUNCIATOR).
- 3 LOCATE A JUNCTION BOX ON BACK SIDE OF PARAPET FOR FUTURE CCTV CAMERA. PROVIDE A 3/4" CONDUIT TO THE CCTV JUNCTION BOX IN THE COMMUNICATIONS ROOM. PROVIDE PULL STRING. COORDINATE EXACT LOCATION WITH THE ARCHITECT.
- 4 SEE SPECIFICATIONS SECTION 274116 FOR AUDIO VISUAL PRESENTATION SYSTEM.

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MAIN FLOOR
SYSTEMS PLAN

E402

COPPER CONDUCTOR & O.C. PROT. FOR TRANSFORMER PRIMARY				COPPER CONDUCTOR & O.C. PROT. FOR TRANSFORMER SECONDARY △ 480/208/120 √						
TRANS KVA	O.C. PROT.	TYPE COND.*	GND. COND.	O.C. PROT.	TYPE COND.	COND. AMPS	SETS	CONDUCTOR QUAN.	CONDUIT SIZE	EQ. GND. COND.
30	50	38	8	100	121-1	104	1	4	2	1-1/4"
45	70	34	4	175	143X-1	180	1	4	3/0	2"
75	125	31	2	225	142S-1	232	1	4	250	2-1/2"
112.5	175	32X	1/0	400	144X-2	416	2	4	4/0	2-1/2"
150	300	33S	2/0	600	140-2	608	2	4	400	3"
225	400	350	2/0	800	143S-3	840	3	4	350	3"
300	600	32S-2	3/0	1200	140-4	1216	4	4	400	3"
500	800	350-2	3/0	1600	1450-S	1720	5	4	500	4"
750	1500	33S-5	3/0	3000	1450-8	3096	9	4	500	4"

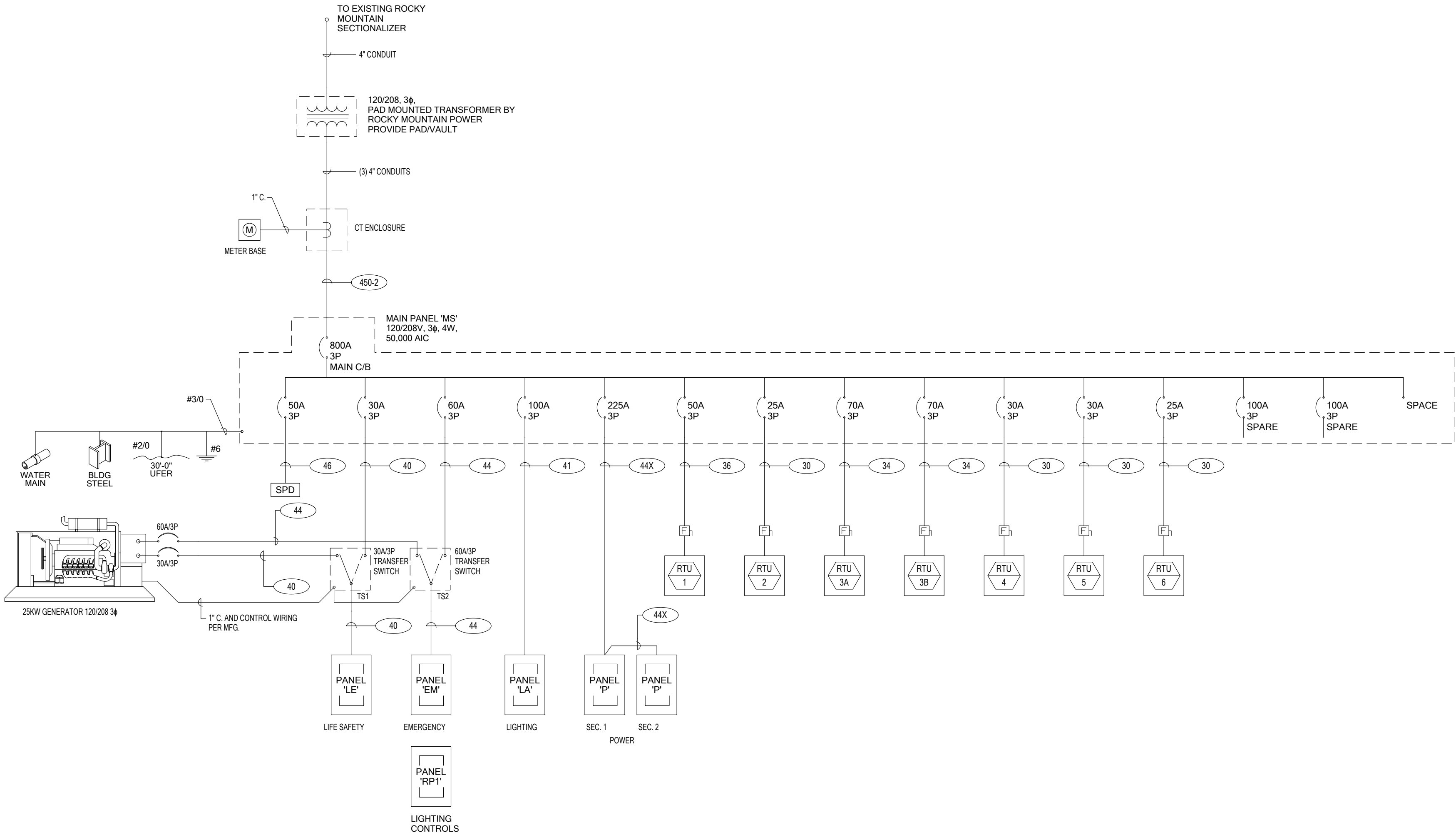
COPPER CONDUCTOR & O.C. PROT. FOR TRANSFORMER PRIMARY				COPPER CONDUCTOR & O.C. PROT. FOR TRANSFORMER SECONDARY (200% NEUTRAL) △ 480/208/120 √						
TRANS KVA	O.C. PROT.	TYPE COND.*	GND. COND.	O.C. PROT.	TYPE COND.	COND. AMPS	SETS	CONDUCTOR QUAN.	CONDUIT SIZE	EQ. GND. COND.
30	50	38	8	100	152-1	104	1	5	2	1-1/2"
45	70	34	4	175	1530-1	180	1	5	3/0	2-1/2"
75	125	31	2	225	152S-1	232	1	5	250	3"
112.5	175	32X	1/0	400	154X-2	416	2	5	4/0	2-1/2"
150	300	33S	2/0	600	1540-2	608	2	5	400	3-1/2"
225	400	350	2/0	800	153S-3	840	3	5	350	3"
300	600	32S-2	3/0	1200	1540-4	1216	4	5	400	3"
500	800	350-2	3/0	1600	1550-S	1720	5	5	500	4"
750	1500	33S-5	3/0	3000	1550-8	3096	9	5	500	4"

* SEE SCHEDULE FOR CONDUIT AND WIRE SIZE

COPPER CONDUCTOR & CONDUIT SCHEDULE						
TYPE	AMP.	COND. SIZE	CONDUCTOR QUAN.	CONDUIT SIZE	INSUL- ATION	EQ. GND. COND.
20	30	3/4"	2	10	THHN THWN	10
30	30	3/4"	3	10	THHN THWN	10
40	30	3/4"	4	10	THHN THWN	10
28	40	3/4"	2	8	THHN THWN	10
38	40	3/4"	3	8	THHN THWN	10
48	40	3/4"	4	8	THHN THWN	10
26	55	3/4"	2	6	THHN THWN	8
36	55	3/4"	3	6	THHN THWN	8
46	55	1"	4	6	THHN THWN	8
24	70	3/4"	2	4	THHN THWN	8
34	70	1"	3	4	THHN THWN	8
44	70	1-1/4"	4	4	THHN THWN	8
23	85	1"	2	3	THHN THWN	8
33	85	1"	3	3	THHN THWN	8
43	85	1-1/4"	4	3	THHN THWN	8
32	95	1-1/4"	3	2	THHN THWN	6
42	95	1-1/4"	4	2	THHN THWN	6
31	110	1-1/4"	3	1	THHN THWN	6
41	110	1-1/2"	4	1	THHN THWN	6
51	110	2"	5	1	THHN THWN	6
31X	150	1-1/2"	3	1/0	THHN THWN	6
41X	150	1-1/2"	4	1/0	THHN THWN	6
51X	150	2"	5	1/0	THHN THWN	6
32X	175	1-1/2"	3	2/0	THHN THWN	6
42X	175	2"	4	2/0	THHN THWN	6
52X	175	2"	5 *	2/0	THHN THWN	6
33X	200	2"	3	3/0	THHN THWN	6
43X	200	2"	4	3/0	THHN THWN	6
53X	200	2-1/2"	5	3/0	THHN THWN	6
34X	230	2"	3	4/0	THHN THWN	4
44X	230	2-1/2"	4	4/0	THHN THWN	4
54X	230	2-1/2"	5	4/0	THHN THWN	4
32S	255	2"	3	250	THHN THWN	4
42S	255	2-1/2"	4	250	THHN THWN	4
52S	255	2-1/2"	5	250	THHN THWN	4
33S	310	2-1/2"	3	350	THHN THWN	3
43S	310	3"	4	350	THHN THWN	3
53S	310	3"	5	350	THHN THWN	3
340	335	3"	3	400	THHN THWN	3
440	335	3"	4	400	THHN THWN	3
540	335	3"	5	400	THHN THWN	3
350	380	3-1/2"	3	500	XHHW	3
450	380	3-1/2"	4	500	XHHW	3
550	380	3-1/2"	5	500	XHHW	3

COPPER CONDUCTOR & CONDUIT SCHEDULE FOR PARALLEL RUNS						
TYPE	MAX. O.C. PROT.	COND. AMPS	SETS	CONDUCTOR QUAN.	CONDUIT SIZE	EQ. GND. COND.
32S-2	600	510	2	3	250	2-1/2"
42S-2	600	510	2	4	250	2-1/2"
52S-2	600	510	2	5	250	2-1/2"
43S-2	700	620	2	4	350	3"
440-2	700	670	2	4	400	3"
350-2	800	760	2	3	500	3"
450-2	800	760	2	4	500	4"
550-2	800	760	2	5	500	4"
460-2	800	840	2	4	600	4"
33S-3	900	930	3	3	350	3"
43S-3	900	930	3	4	350	3"
53S-3	900	930	3	5 *	350	3"
340-3	1000	1005	3	3	400	3"
440-3	1000	1005	3	4	400	3"
540-3	1000	1005	3	5	400	3"
43S-4	1200	1240	4	4	350	3"
53S-4	1200	1240	4	5	350	3"
460-3	1200	1260	3	4	600	4"
33S-5	1500	1550	5	3	350	3"
440-5	1600	1675	5	4	400	3"
540-5	1600	1675	5	5	400	3"
460-4	1600	1680	4	4	600	4"
440-6	2000	2010	6	4	400	3"
460-6	2500	2520	6	4	600	4"
450-8	3000	3040	8	4	500	4"
450-11	4000	4180	11	4	500	4"

NOTES
IN PARALLEL RUNS SIZE GND. COND. IN
ACCORDANCE WITH NEC PARA. 250-122.
GND. CONDUCTOR MAY BE DELETED
ON SERVICE ENTRANCE CONDUCTORS
* 200% NEUTRAL



1 ONE-LINE DIAGRAM
NO SCALE

DLD OGDEN
SOUTH OGDEN, UTAH

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DATE/REVISION	PROJECT #
11-24-2010	10019

ONE LINE
DIAGRAM
E501

PANEL BOARD SCHEDULE																											
PANEL: LE			TYPE: Type 1		VOLTS: 120/208 Wye		PHASE: 3		WIRES: 4																		
MOUNTING: SURFACE					LOCATION: ELECTRICAL					LUGS																	
										MAINS:																	
AMP: 100 A																											
BRANCH BREAKERS																											
ITEM	AMPS	POLE	WIRE SIZE	CIR. NO.	A	B	C	A	B	C	CIR. NO.	WIRE SIZE	POLE	AMPS	ITEM												
Power COMMUNICATIONS 108	20 A	1	1-#12	1	200 VA			1100 VA			2	1-#6	1	20 A	Lighting QUEUING 118												
Power COMMUNICATIONS 108	20 A	1	1-#12	3		200 VA			600 VA		4	1-#12	1	20 A	Lighting VESTIBULE 101												
Lighting	20 A	1	1-#12	5			180 VA			244 VA	6	1-#12	1	20 A	Lighting												
Lighting HALL 130	20 A	1	1-#12	7	211 VA			116 VA			8	1-#12	1	20 A	Lighting MENS RESTROOM 103												
Lighting LOBBY 102	20 A	1	1-#12	9		140 VA					10																
Lighting ELECTRICAL ROOM	20 A	1	1-#12	11			344 VA			210 VA	12	1-#12	1	20 A	Lighting HALL 110												
Power COMMUNICATIONS 108	20 A	1	1-#12	13	200 VA			200 VA			14	1-#12	1	20 A	Power COMMUNICATIONS 107												
				15					1000 VA		16	1-#4	1	20 A	Power												
Lighting HALL 110	20 A	1	1-#12	17			25 VA		0 VA		18	--	1	20 A	Spare												
Spare	20 A	1	--	19	0 VA			0 VA			20	--	1	20 A	Spare												
Spare	20 A	1	--	21		0 VA			0 VA		22	--	1	20 A	Spare												
Spare	20 A	1	--	23			0 VA			0 VA	24	--	1	20 A	Spare												
Spare	20 A	1	--	25	0 VA			0 VA			26	--	1	20 A	Spare												
Space	--	--	--	27		0 VA			0 VA		28	--	--	--	Space												
Space	--	--	--	29			0 VA			0 VA	30	--	--	--	Space												
Space	--	--	--	31	0 VA			0 VA			32	--	--	--	Space												
Space	--	--	--	33		0 VA			0 VA		34	--	--	--	Space												
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Space	--	--	--	41			0 VA			0 VA	42	--	--	--	Space												
TOTAL					2027	1940	1003																				
AMPS/PHASE					17 A	16 A	8 A																				
Legend:																											
										CONNECTED LOAD TOTAL																	
										4970 VA																	
										EQUIP RATING																	

PANELBOARD SCHEDULE															
PANEL: LA			TYPE: Type 1		VOLTS: 120/208 Wye		PHASE: 3		WIRES: 4						
MOUNTING: FLUSH					LOCATION: ELECTRICAL					LUGS					
					AMPS: 100 A					MAINS:					
BRANCH BREAKERS															
ITEM	AMPS	POLE	WIRE SIZE	CIR. NO.	A	B	C	A	B	C	CIR. NO.	WIRE SIZE	POLE	AMPS	ITEM
Lighting SERVICE AREA 119	20 A	1	1-#8	3	1008 VA			1806 VA			1-#1	2	1	20 A	Lighting ASSISTANT SUPERVISOR
Lighting SPACE 122	20 A	1	1-#8	3	864 VA						4	1-#12	1	20 A	Lighting MENS RESTROOM 103
Lighting HALL 110	20 A	1	1-#12	5			580 VA			124 VA	6	1-#12	1	20 A	Lighting MECHANICAL ROOM 106
Lighting BREAKROOM 111	20 A	1	1-#10	7	590 VA			720 VA			8	1-#10	1	20 A	Lighting LOBBY 102
Lighting SERVICE AREA 119	20 A	1	1-#8	9		936 VA			1136 VA		10	2-#8	2	20 A	Lighting
Lighting QUEUING 118	20 A	1	1-#3	11			2555 VA			0 VA	12	--	--	--	--
Lighting Flag Pole	20 A	1	1-#12	13	370 VA			401 VA			14	1-#12	1	20 A	Lighting STAFF RESTROOM 109
Spare	20 A	1	--	15		0 VA			0 VA		16	--	1	20 A	Spare
Spare	20 A	1	--	17			0 VA			0 VA	18	--	1	20 A	Spare
Spare	20 A	1	--	19	0 VA			0 VA			20	--	1	20 A	Spare
Spare	20 A	1	--	21		0 VA			0 VA		22	--	1	20 A	Spare
Space	--	--	--	--			0 VA			0 VA	24	--	--	--	Space
Space	--	--	--	23	0 VA			0 VA			26	--	--	--	Space
Space	--	--	--	27		0 VA			0 VA		28	--	--	--	Space
Space	--	--	--	29			0 VA			0 VA	30	--	--	--	Space
Space	--	--	--	31	0 VA			0 VA			32	--	--	--	Space
Space	--	--	--	33		0 VA			0 VA		34	--	--	--	Space
Space	--	--	--	35			0 VA			0 VA	36	--	--	--	Space
Space	--	--	--	37	0 VA			0 VA			38	--	--	--	Space
Space	--	--	--	39		0 VA			0 VA		40	--	--	--	Space
Space	--	--	--	41			0 VA			0 VA	42	--	--	--	Space
TOTAL					4895	3679	3259								
AMPS/PHASE					41 A	31 A	27 A								

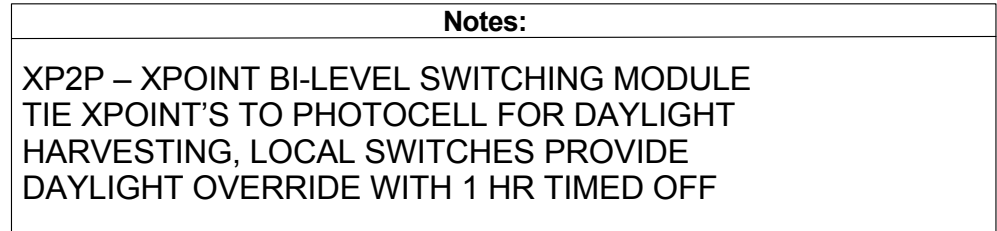
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CONNECTED LOAD TOTAL
11833 VA

EQUIP RATING

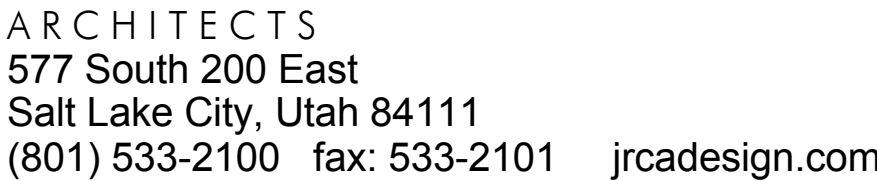
AMPS RMS SYSM.

<h1 style="text-align: center; margin: 0;">PANEL SCHEDULE</h1>																	
PANEL: EM			TYPE: Type 1			VOLTS: 120/208 Wye			PHASE: 3			WIRES: 4					
MOUNTING: SURFACE						LOCATION: ELECTRICAL						LUGS _____					
						AMPS: 100 A						MAINS: _____					
BRANCH BREAKERS																	
ITEM	AMPS	POLE	WIRE SIZE	CIR. NO.	A	B	C	A	B	C	CIR. NO.	WIRE SIZE	POLE	AMPS	ITEM		
Power ACCOUNTING 122	20 A	1	1-#10,	1	540 VA			360 VA			2	1-#12,	1	20 A	Power AREA MANAGER 121		
Power SUPERVISOR 126	20 A	1	1-#12,	3		360 VA			360 VA		4	1-#12,	1	20 A	Power HEARING 128		
TELEPHONE BOARD	20 A	1	1-#12,	5			500 VA			500 VA	6	1-#12,	1	20 A	TELEPHONE BOARD		
TELEPHONE BOARD	20 A	1	1-#12,	7	500 VA			500 VA			8	1-#12,	1	20 A	TELEPHONE BOARD		
Spare	0 A	1	--	9		0 VA			1500 VA		10	1-#12,	1	20 A	BATTERY CHARGER		
Spare	0 A	1	--	11			0 VA			1500 VA	12	1-#12,	1	20 A	TANK HEATER		
Power HALL 110	20 A	1	1-#12,	13	500 VA			500 VA			14	1-#12,	1	20 A	Power HALL 110		
Power HALL 110	20 A	1	1-#12,	15		500 VA			500 VA		16	1-#12,	1	20 A	Power SERVICE AREA 119		
Power HALL 130	20 A	1	1-#12,	17			500 VA			500 VA	18	1-#12,	1	20 A	Power HALL 130		
Power COMMUNICATIONS 108	20 A	1	1-#12,	19	360 VA			360 VA			20	1-#12,	1	20 A	Power COMMUNICATIONS 108		
Power COMMUNICATIONS 108	20 A	1	1-#12,	21		360 VA			0 VA		22	--	1	20 A	Spare		
Spare	20 A	1	--	23			0 VA			0 VA	24	--	1	20 A	Spare		
Spare	20 A	1	--	25	0 VA			0 VA			26	--	1	20 A	Spare		
Spare	20 A	1	--	27		0 VA			0 VA		28	--	1	20 A	Spare		
Spare	20 A	1	--	29			0 VA			0 VA	30	--	--	--	Space		
Space	--	--	--	31	0 VA			0 VA			32	--	--	--	Space		
Space	--	--	--	33		0 VA			0 VA		34	--	--	--	Space		
Space	--	--	--	35			0 VA			0 VA	36	--	--	--	Space		
Space	--	--	--	37	0 VA			0 VA			38	--	--	--	Space		
Space	--	--	--	39		0 VA			0 VA		40	--	--	--	Space		
Space	--	--	--	41			0 VA			0 VA	42	--	--	--	Space		
TOTAL					3620	3580	3500										
AMPS/PHASE					30 A	30 A	29 A										
Legend:															CONNECTED LOAD TOTAL 8700 VA		
EQUIP RATING															AMPS RMS SYS.M.		



1 SEE RELAY PANEL SCHEDULE FOR ADDITIONAL RELAYS AND CONTROLS.

SOUTH OGDEN, UTAH



PANELBOARD SCHEDULES

E502

RELAY PANEL SCHEDULE								
RELAY	CONTROL	ROOM NAME	RM No.	FIXTURE TYPE	QTY	PANEL	CIRCUIT	RELAY LOAD
RP1-1	LV SW	SERVICE AREA	119	A3	1	LA	9	36 VA
RP1-2	LV SW	SERVICE AREA	119	A3	1	LA	9	36 VA
RP1-3	LV SW	SERVICE AREA	119	A3	1	LA	9	36 VA
RP1-4	LV SW	SERVICE AREA	119	A3	1	LA	9	36 VA
RP1-5	LV SW	SERVICE AREA	119	A3	1	LA	9	36 VA
RP1-6	LV SW	SERVICE AREA	119	A3	1	LA	9	36 VA
RP1-7	LV SW	SERVICE AREA	119	A3	1	LA	9	36 VA
RP1-8	LV SW	SERVICE AREA	119	A3	1	LA	9	36 VA
RP1-9	LV SW	SERVICE AREA	119	A3	1	LA	9	36 VA
RP1-10	LV SW	SERVICE AREA	119	A3	1	LA	9	36 VA
RP1-11	LV SW	SERVICE AREA	119	A3	1	LA	9	36 VA
RP1-12	LV SW	SERVICE AREA	119	A3	1	LA	9	36 VA
RP1-13	LV SW	SERVICE AREA	119	A3	1	LA	9	36 VA
RP1-14	LV SW	SERVICE AREA	119	A3	1	LA	9	36 VA
RP1-15	LV SW	SERVICE AREA	119	A3	1	LA	9	36 VA
RP1-16	LV SW	SERVICE AREA	119	A3	1	LA	9	36 VA
RP1-17	LV SW	SERVICE AREA	119	A3	1	LA	9	36 VA
RP1-18	LV SW	SERVICE AREA	119	A3	1	LA	9	36 VA
RP1-19	LV SW	SERVICE AREA	119	A3	1	LA	9	36 VA
RP1-20	LV SW	SERVICE AREA	119	A3	1	LA	9	36 VA
RP1-21	LV SW	SERVICE AREA	119	A3	1	LA	9	36 VA
RP1-22	LV SW	SERVICE AREA	119	A3	1	LA	9	36 VA
RP1-23	LV SW	SERVICE AREA	119	A3	1	LA	9	36 VA
RP1-24	LV SW	SERVICE AREA	119	A3	1	LA	9	36 VA
RP1-25	LV SW	SERVICE AREA	119	A3	1	LA	9	36 VA
RP1-26	LV SW	SERVICE AREA	119	A3	1	LA	9	36 VA
RP1-27	PC, LV SW	SERVICE AREA	119	A4	3	LA	1	720 VA
RP1-28	LV SW	TESTING	117	A3	4	LA	1	144 VA
RP1-29	LV SW	TESTING	117	A3	4	LA	1	144 VA
RP1-31	LV SW	TRAINING ROOM	112	A3	12	LA	3	432 VA
RP1-32	LV SW	TRAINING ROOM	112	A3	12	LA	3	432 VA
RP1-33	LV SW	HALL	110	A	4	LA	5	280 VA
RP1-33	LV SW	HALL	110	D6	2	LA	5	300 VA
RP1-34	LV SW	LOBBY	102	A	6	LA	8	420 VA
RP1-34	LV SW	LOBBY	102	D6	2	LA	8	300 VA
RP1-35	LV SW	LOBBY	102	A	2	LE	9	140 VA
RP1-36	LV SW	HALL	110	A	3	LE	12	210 VA
RP1-37	TC	VESTIBULE	101	D6	4	LE	4	600 VA
RP1-38	PC/TC			C	3	LE	5	180 VA
RP1-39	PC/TC			C	3	LE	6	180 VA
RP1-40	LV SW	QUEUING	118	A4	1	LE	2	240 VA
RP1-40	LV SW	SERVICE AREA	119	A	2	LE	2	140 VA
RP1-40	LV SW	SERVICE AREA	119	A4	3	LE	2	720 VA
RP1-41	PC			OF	1	LA	13	185 VA
RP1-46	PC/TC			O1	2	LA	10,12	284 VA
RP1-48	PC/TC			O2	6	LA	10,12	852 VA

SHEET KEYNOTES

1 RELAYS SHALL FAIL CLOSED (TURN LIGHTS ON) UPON LOSS OF POWER.

DLD OGDEN

SOUTH OGDEN, UTAH

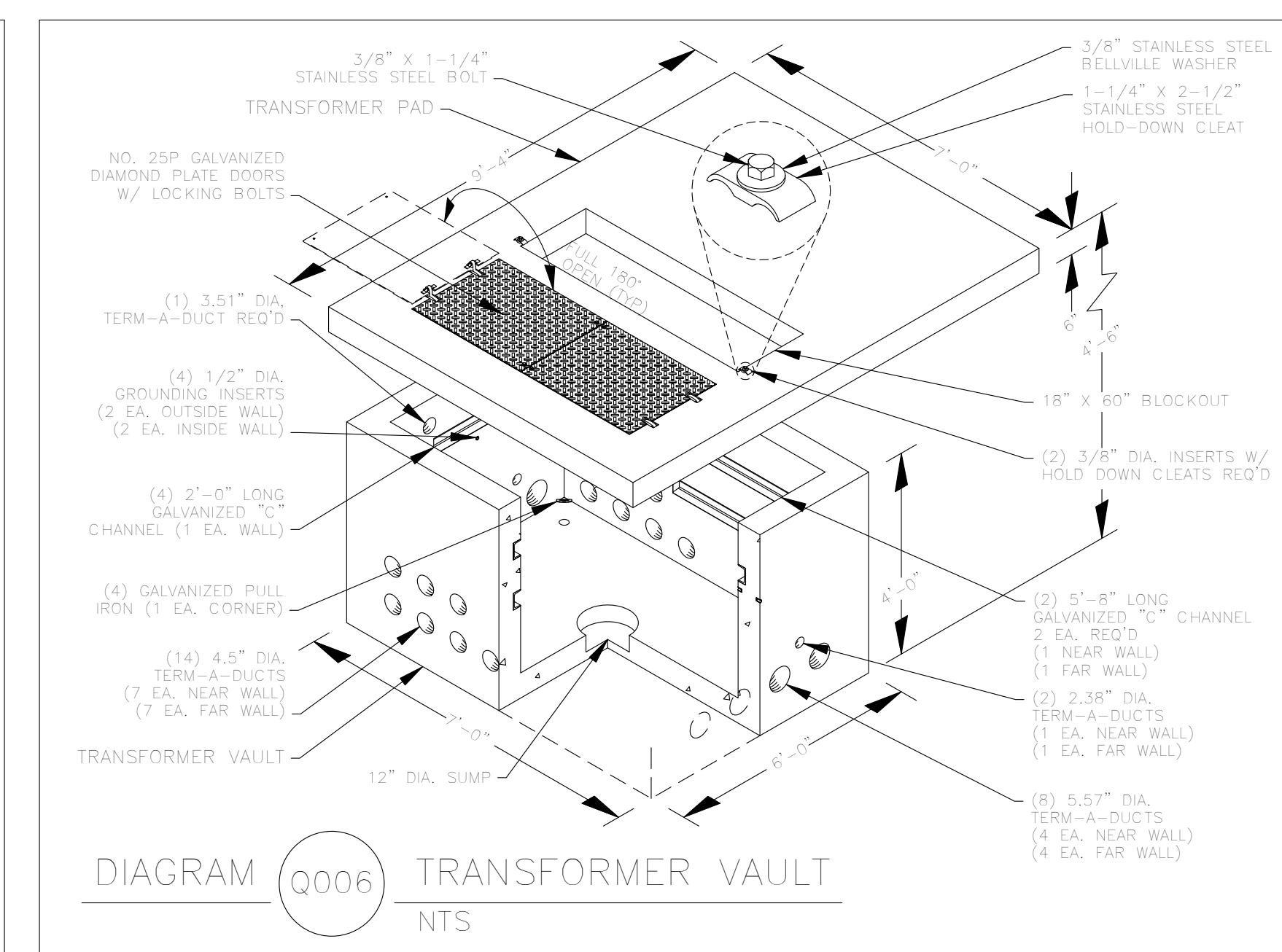
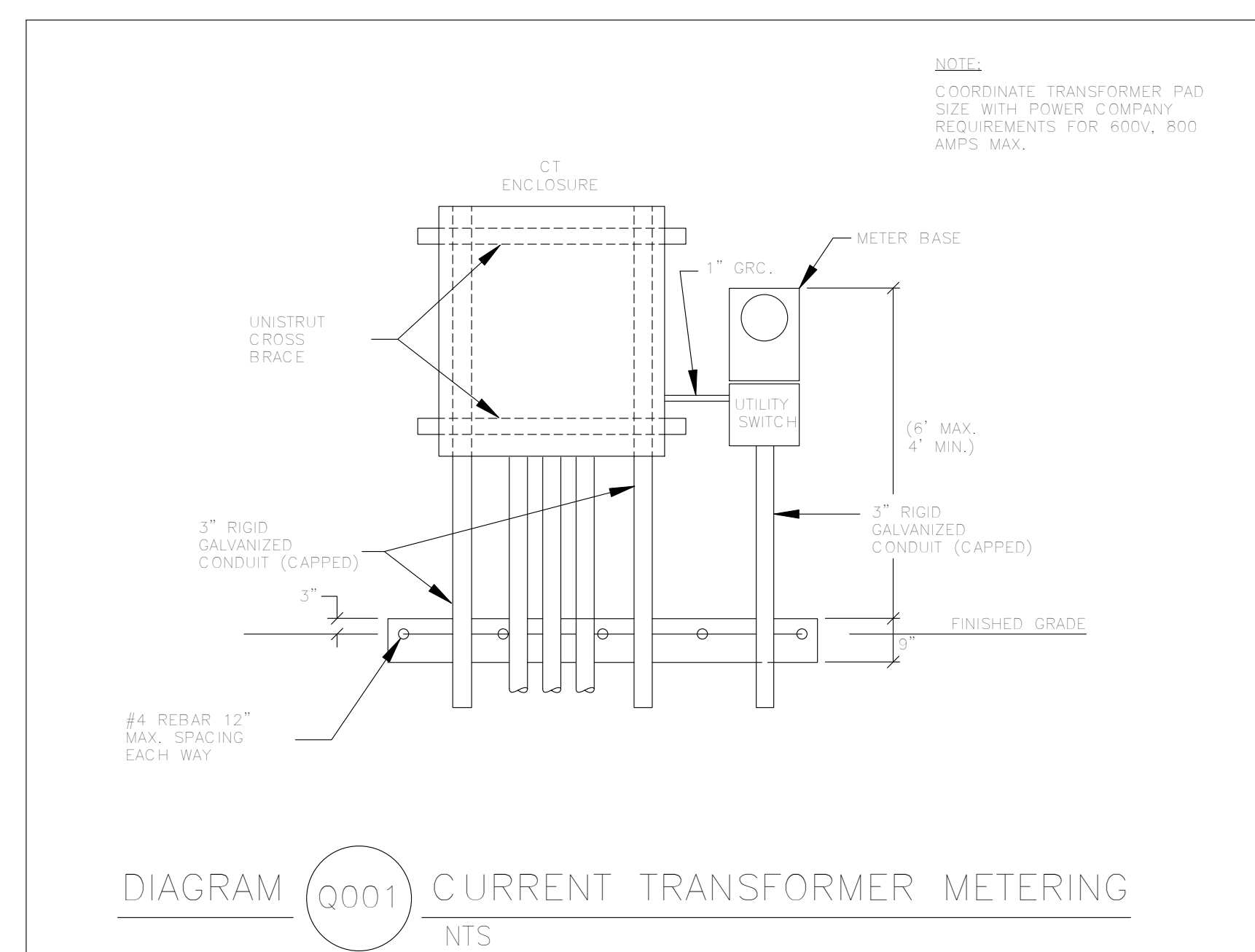
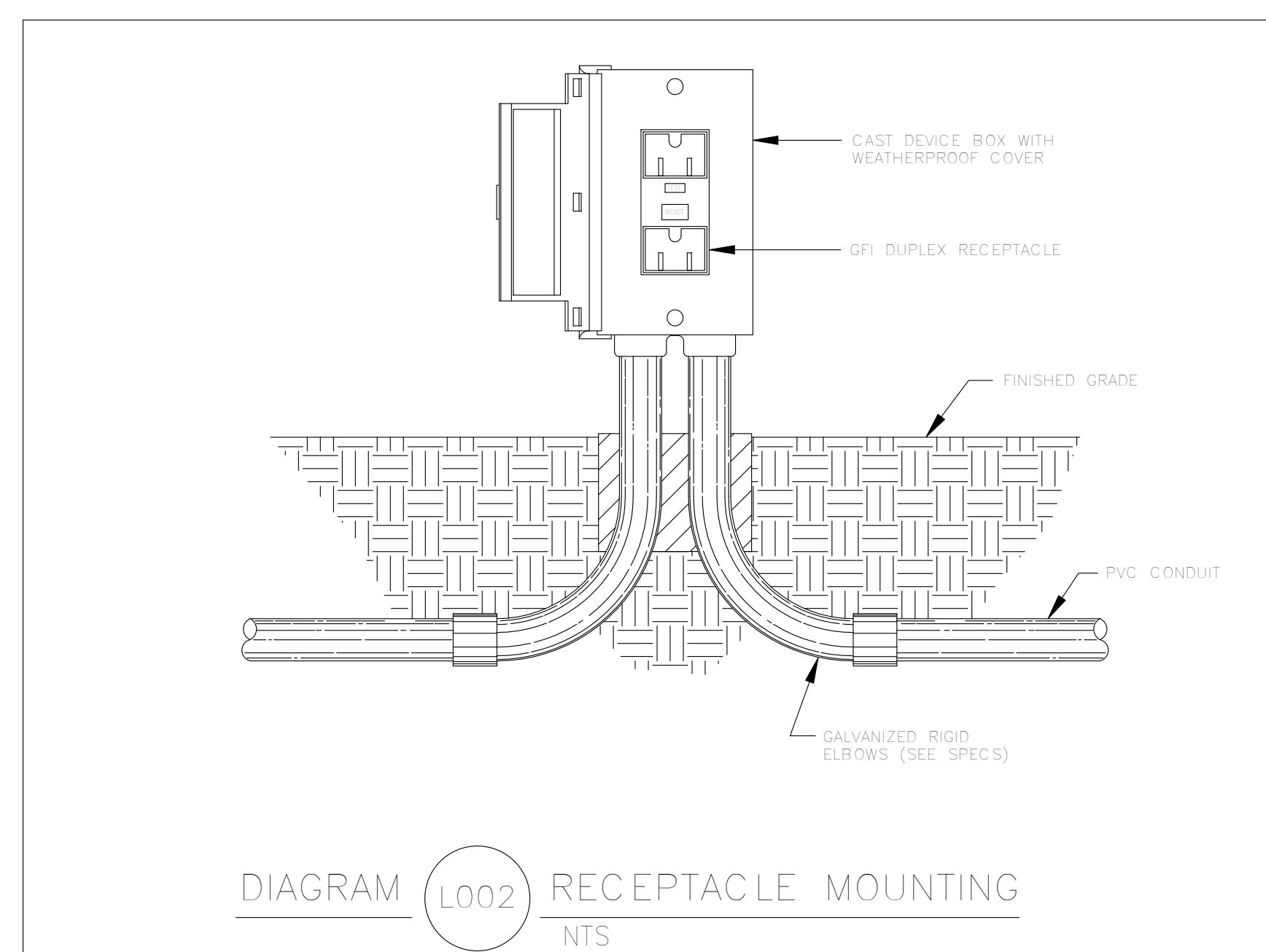
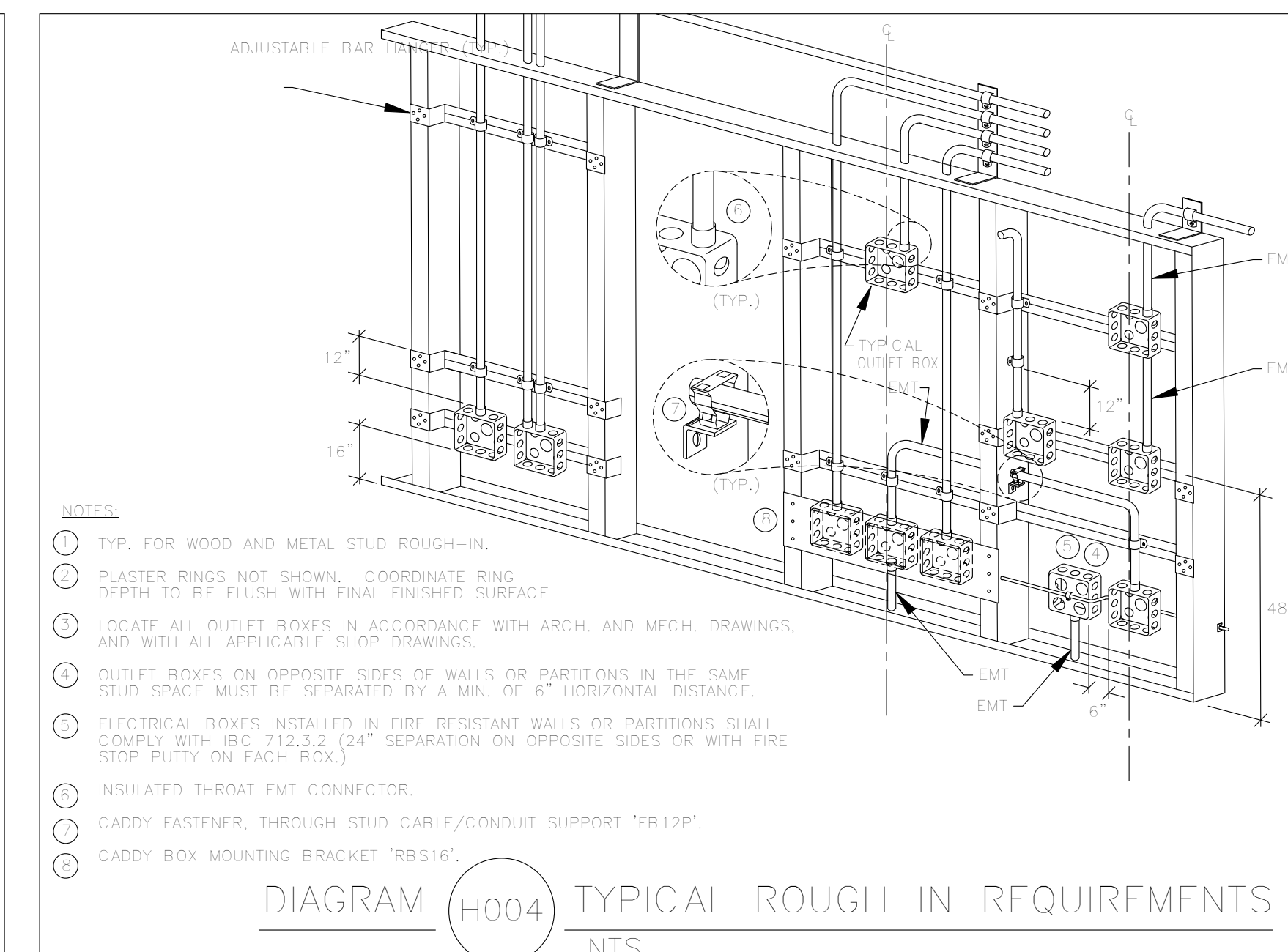
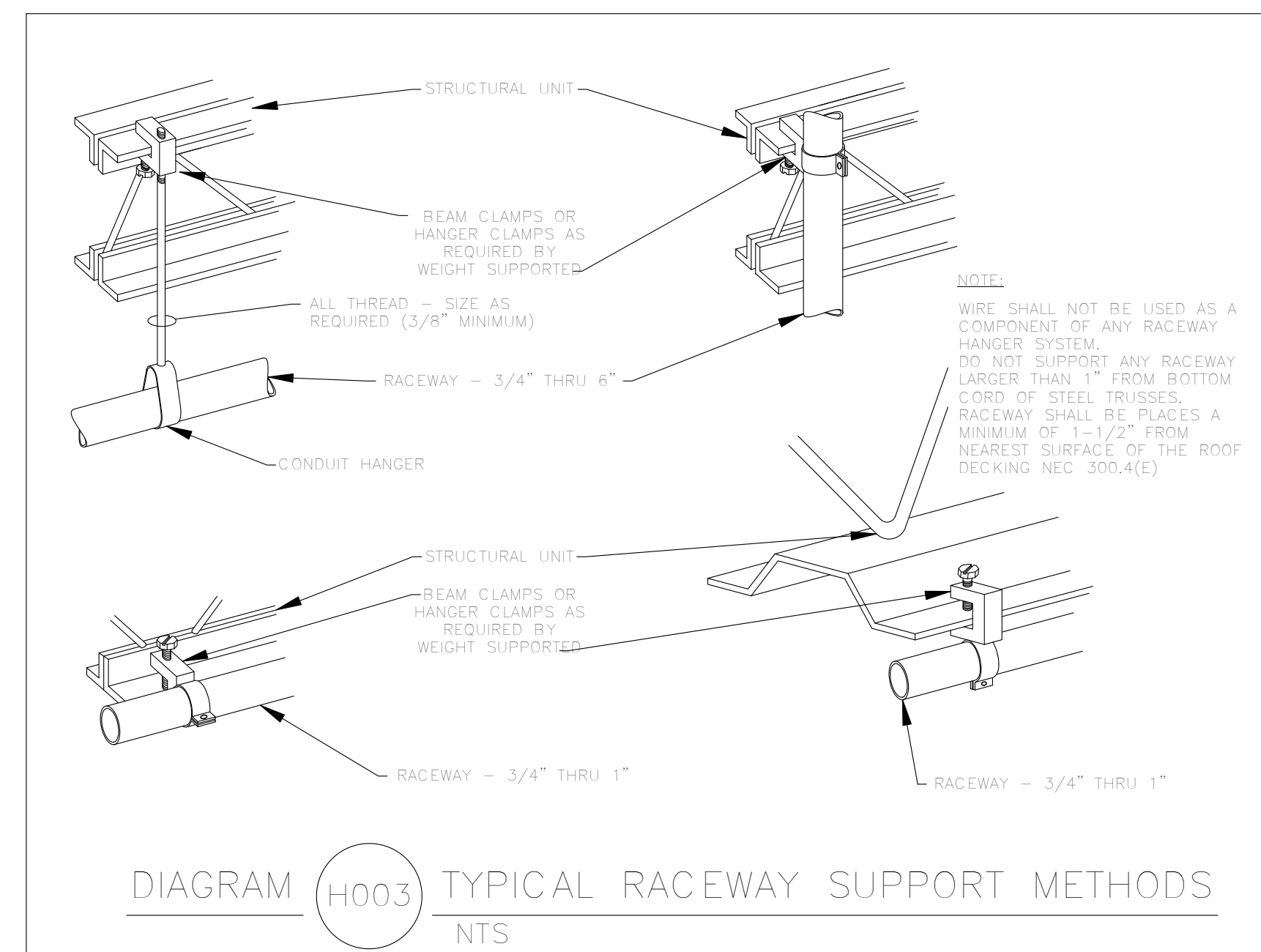
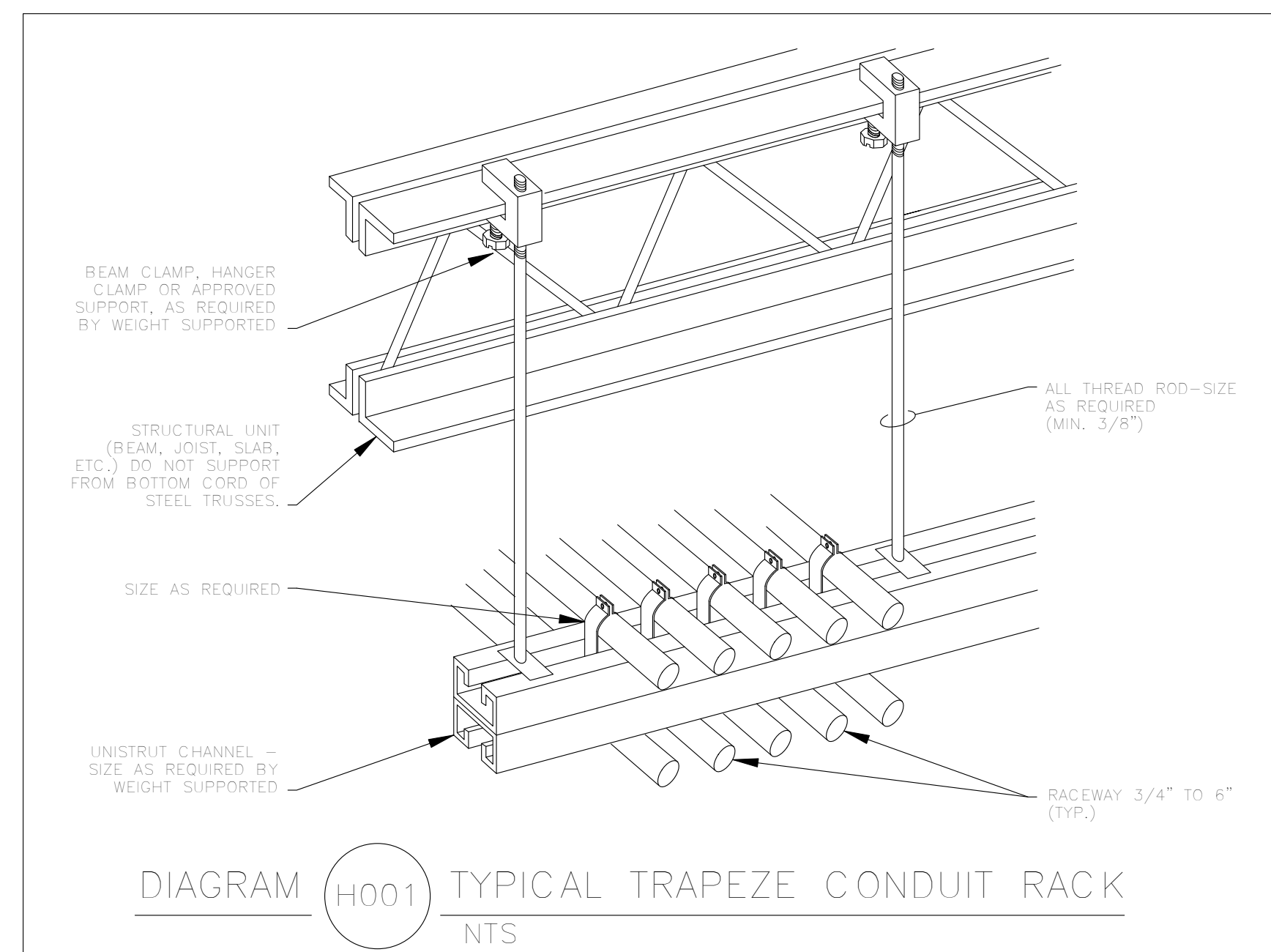
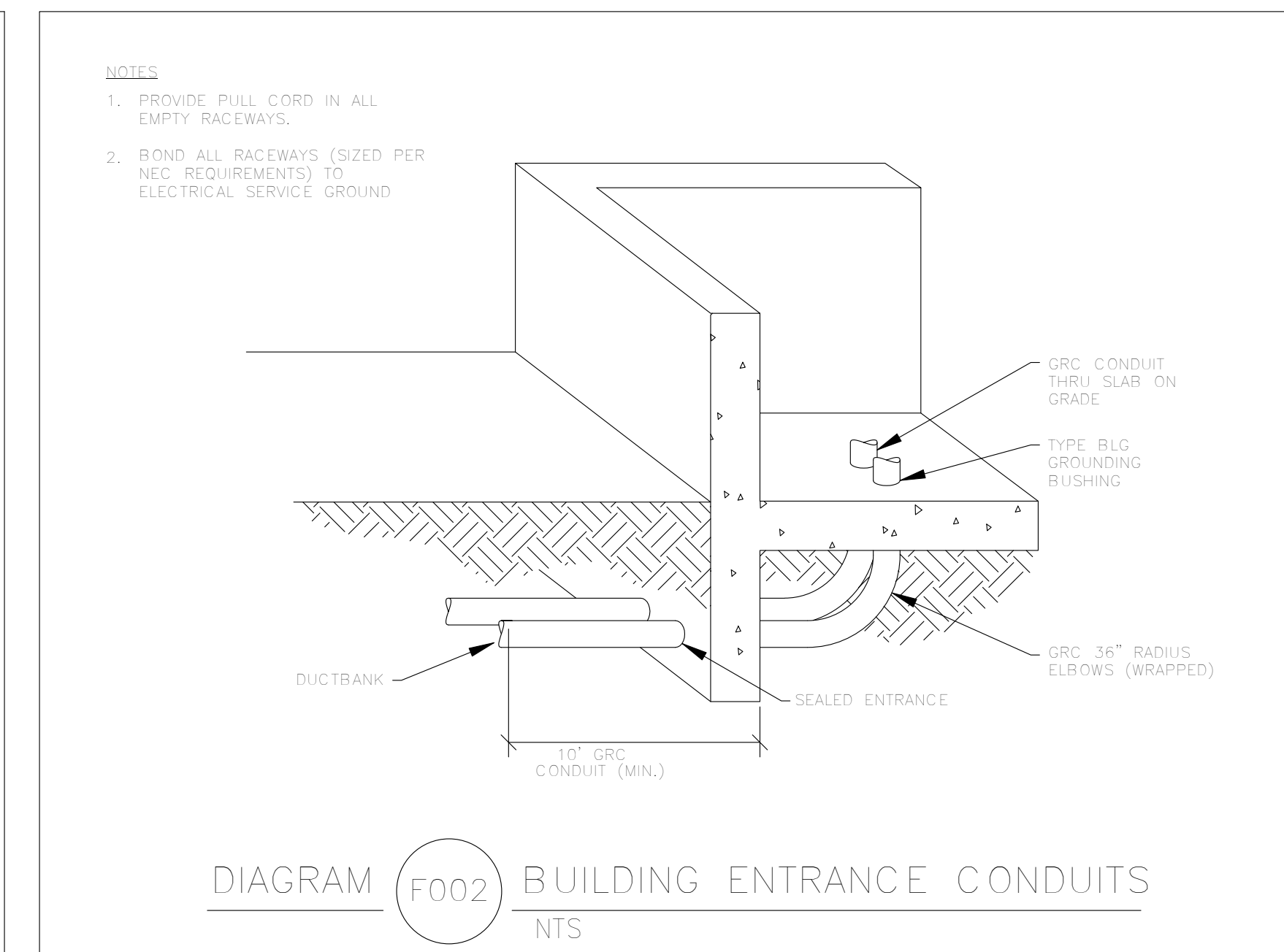
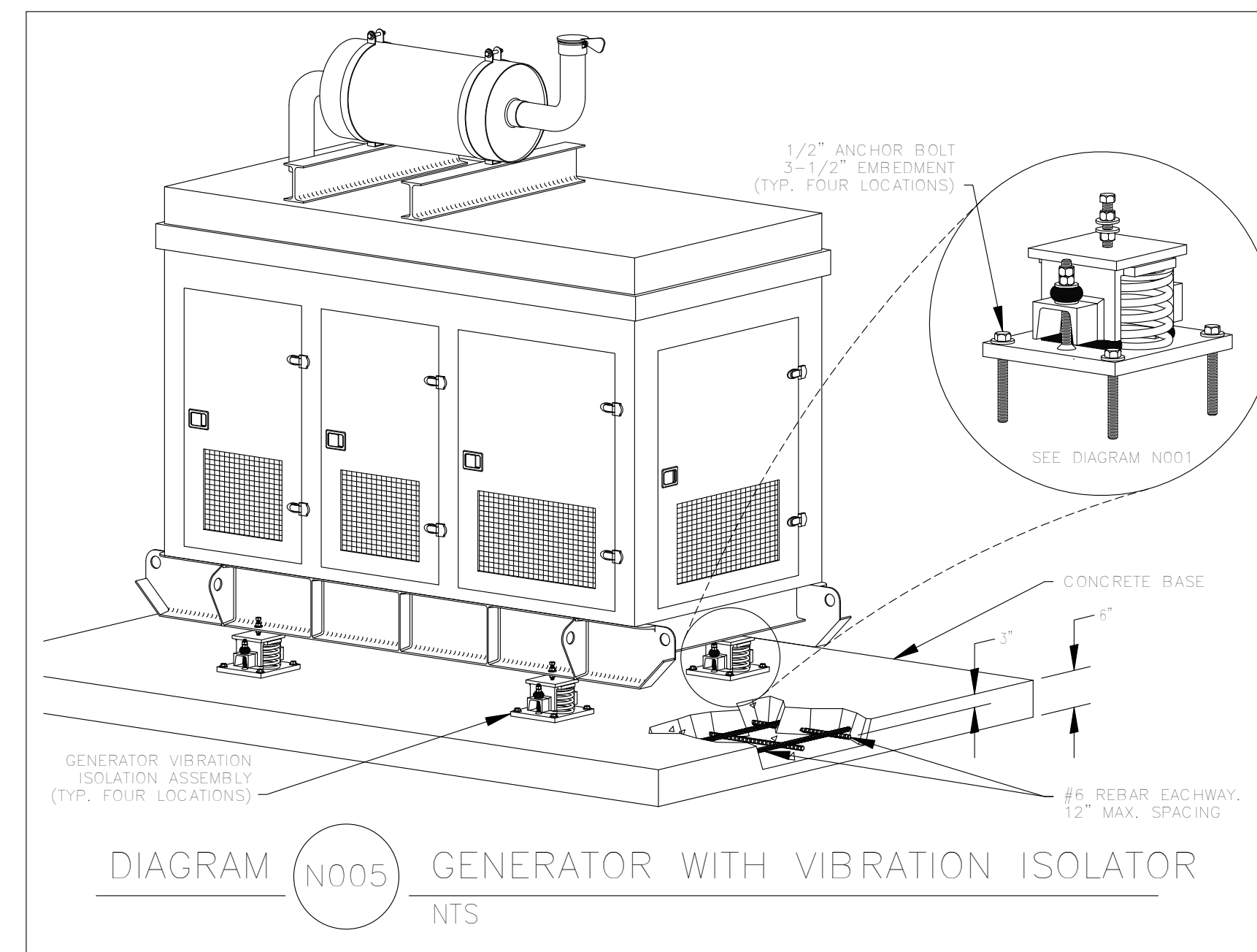
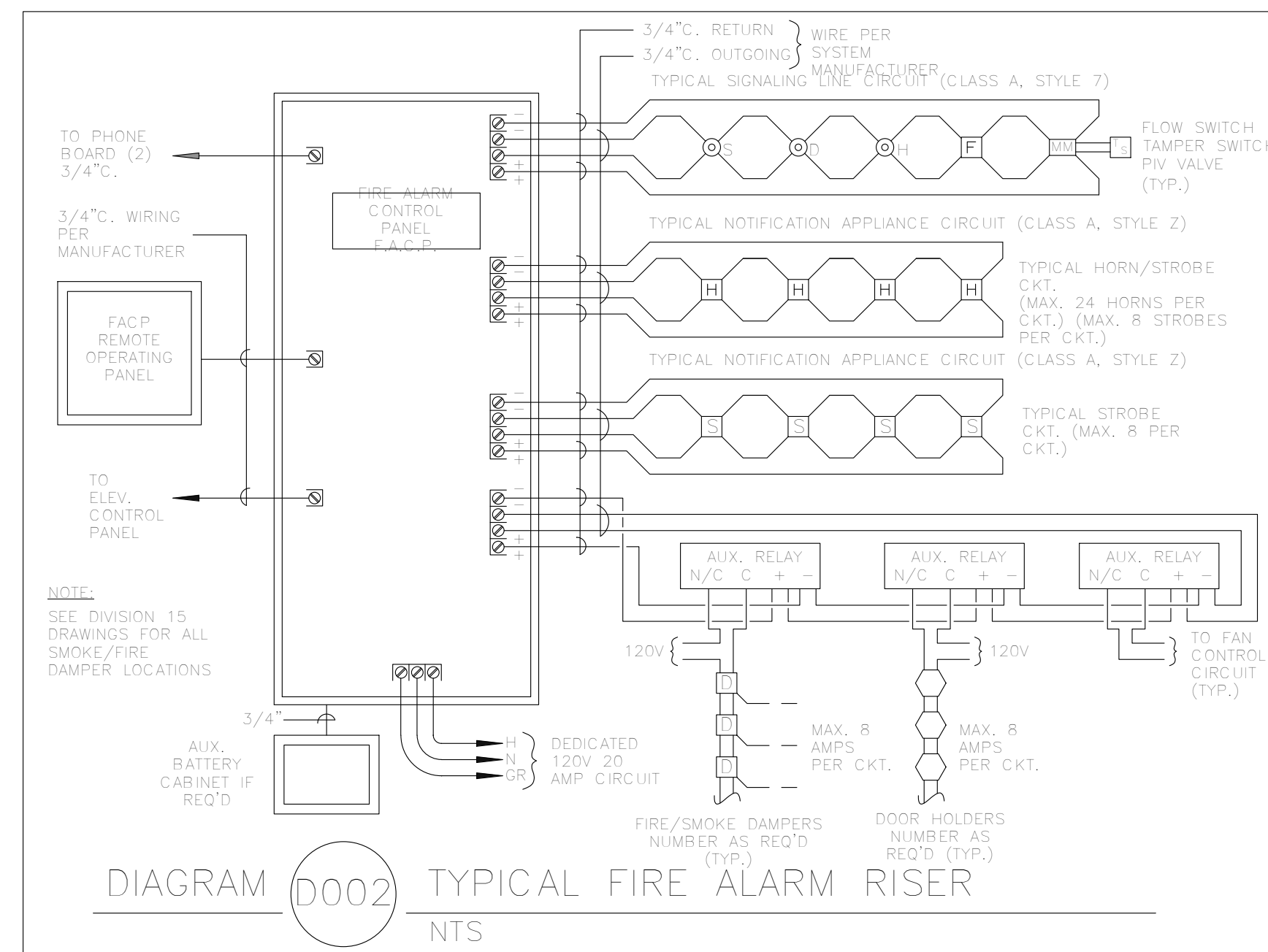


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PANELBOARD SCHEDULES

E503



DLD OGDEN

SOUTH OGDEN, UTAH

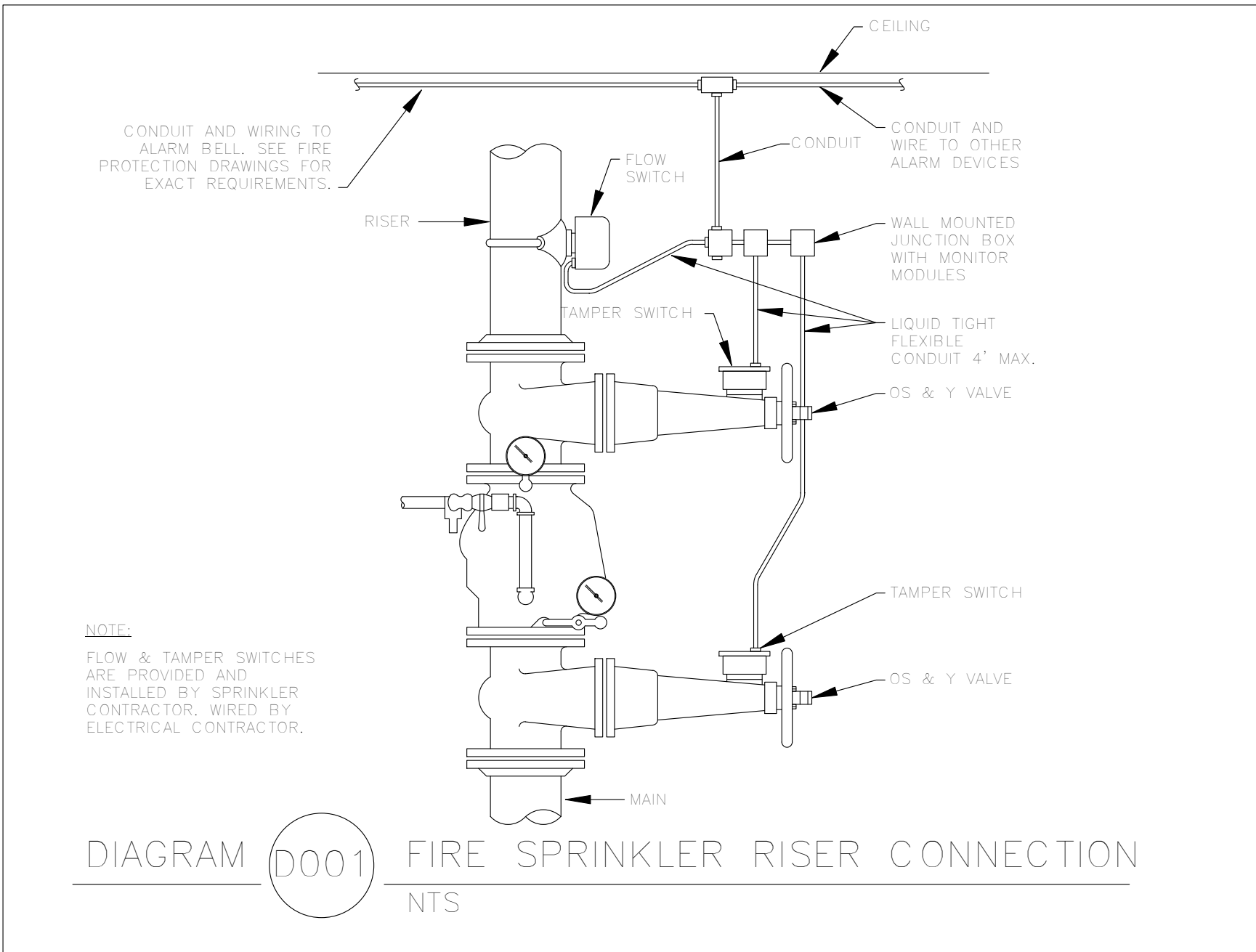
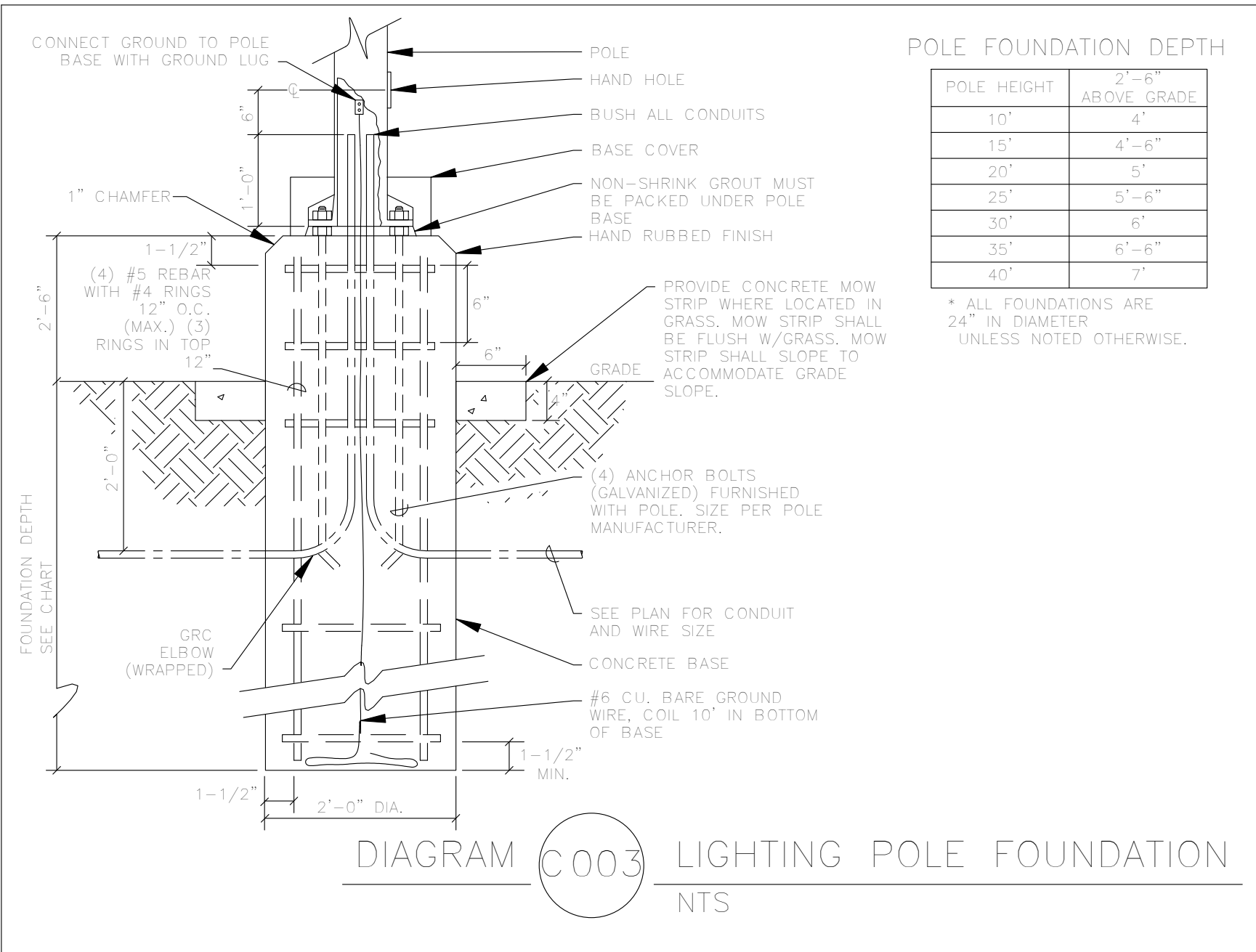
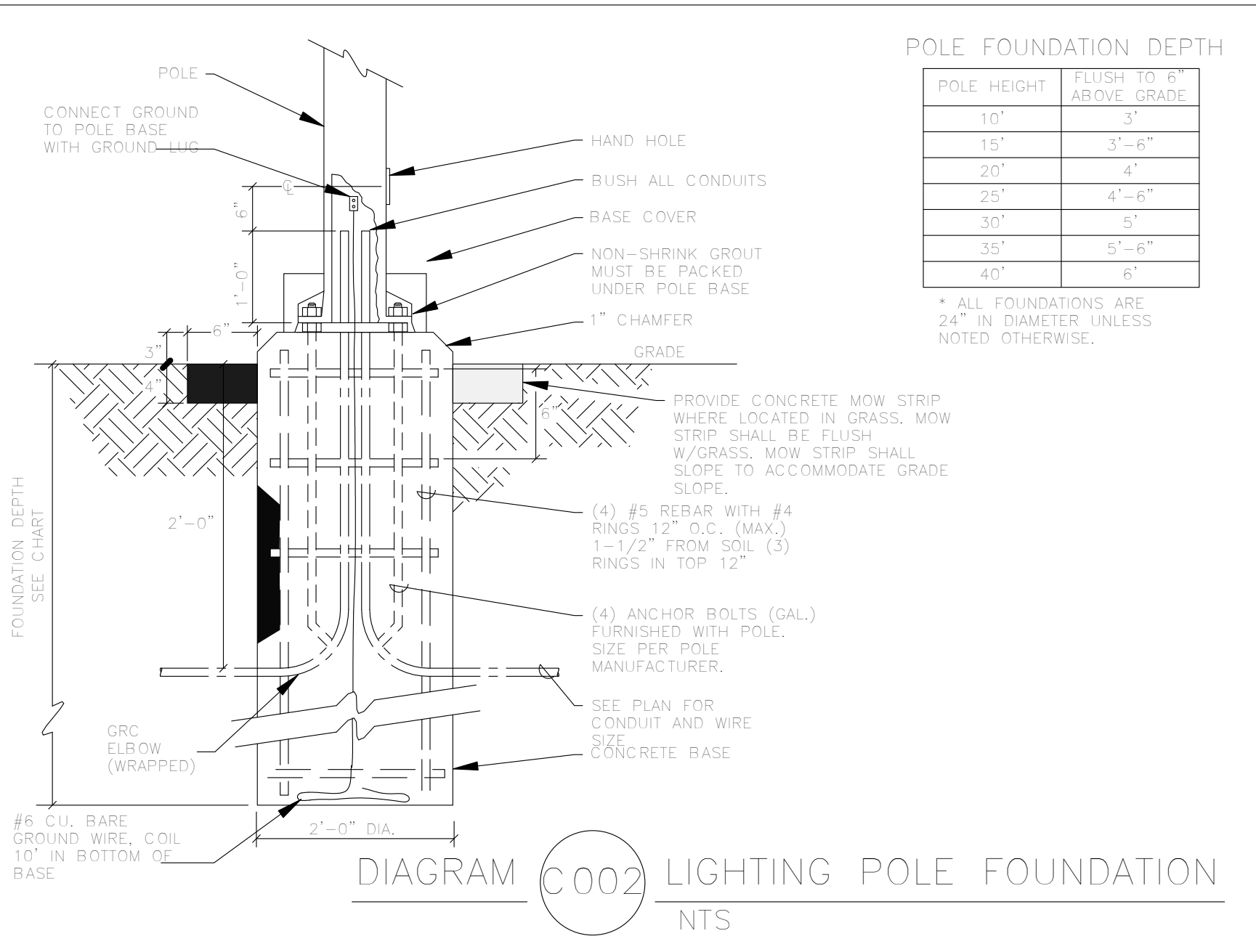
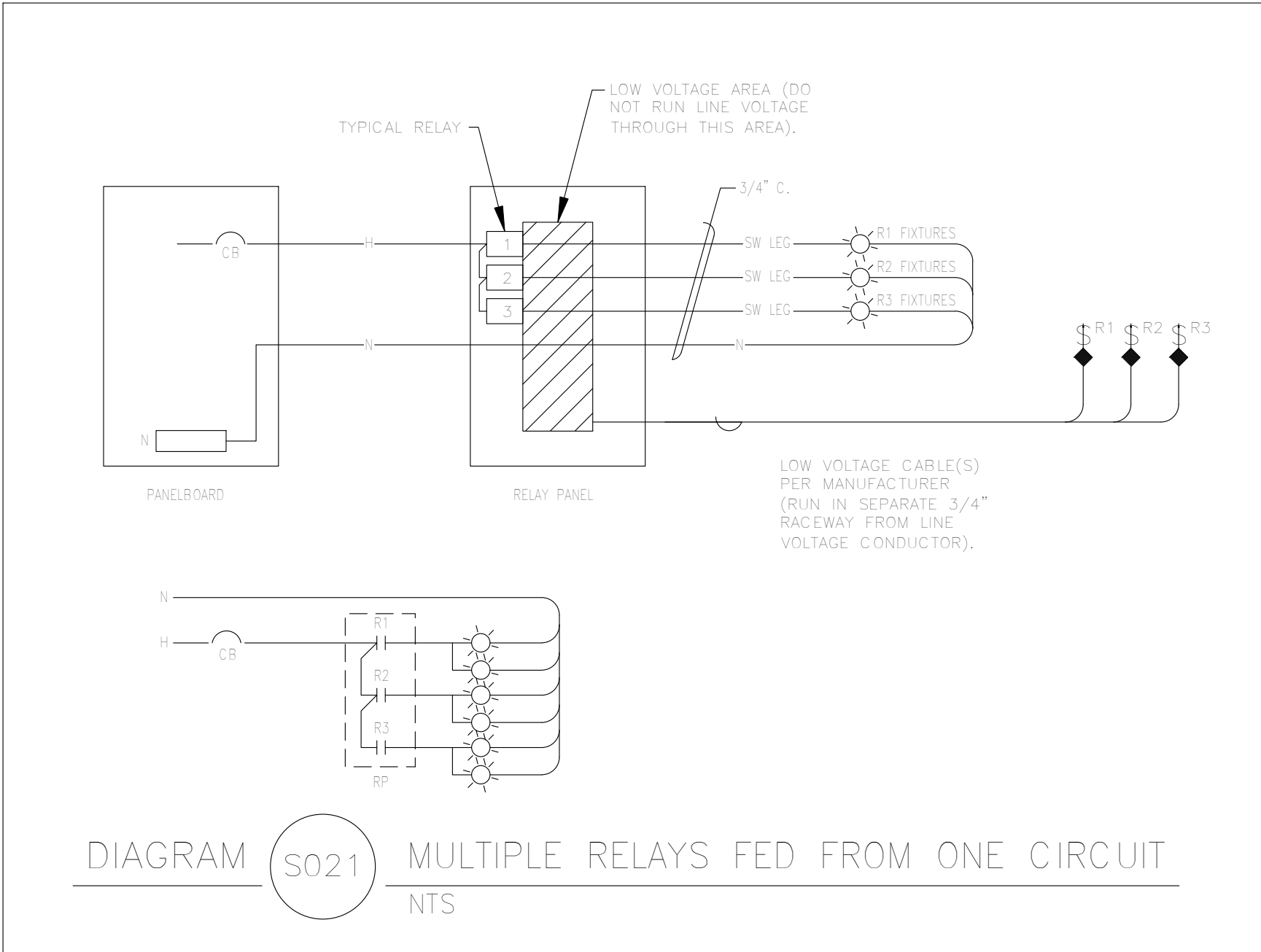
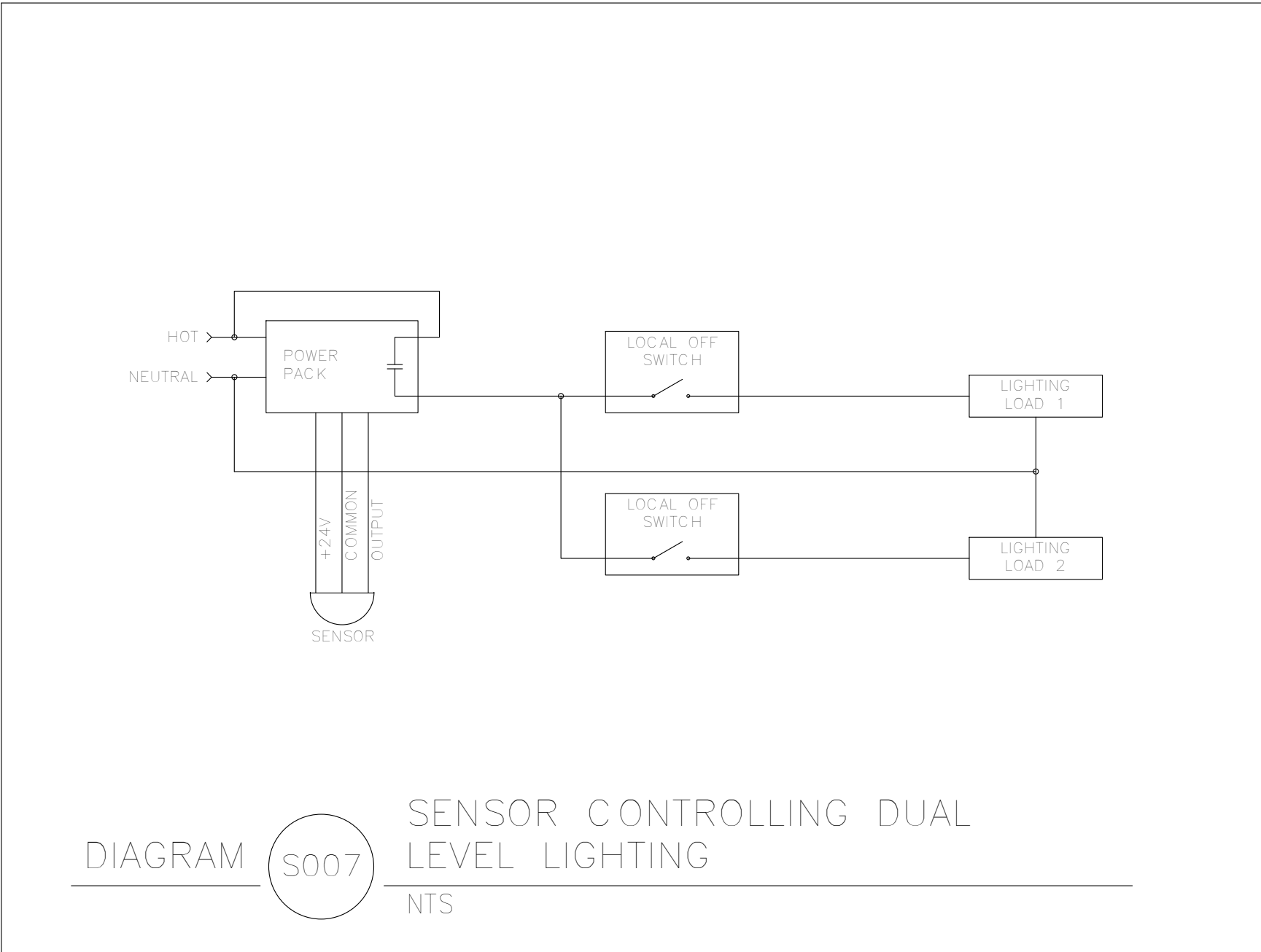
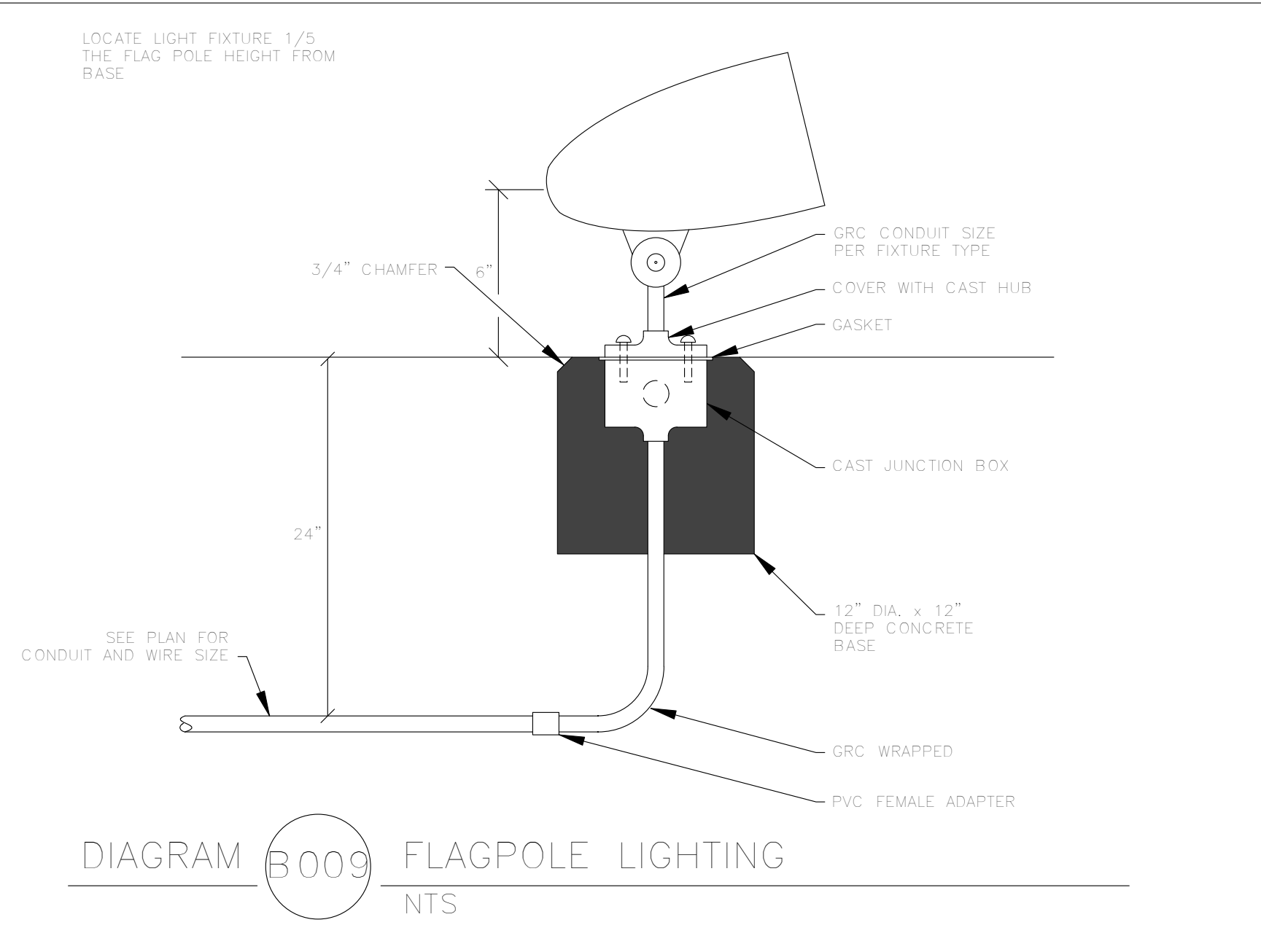
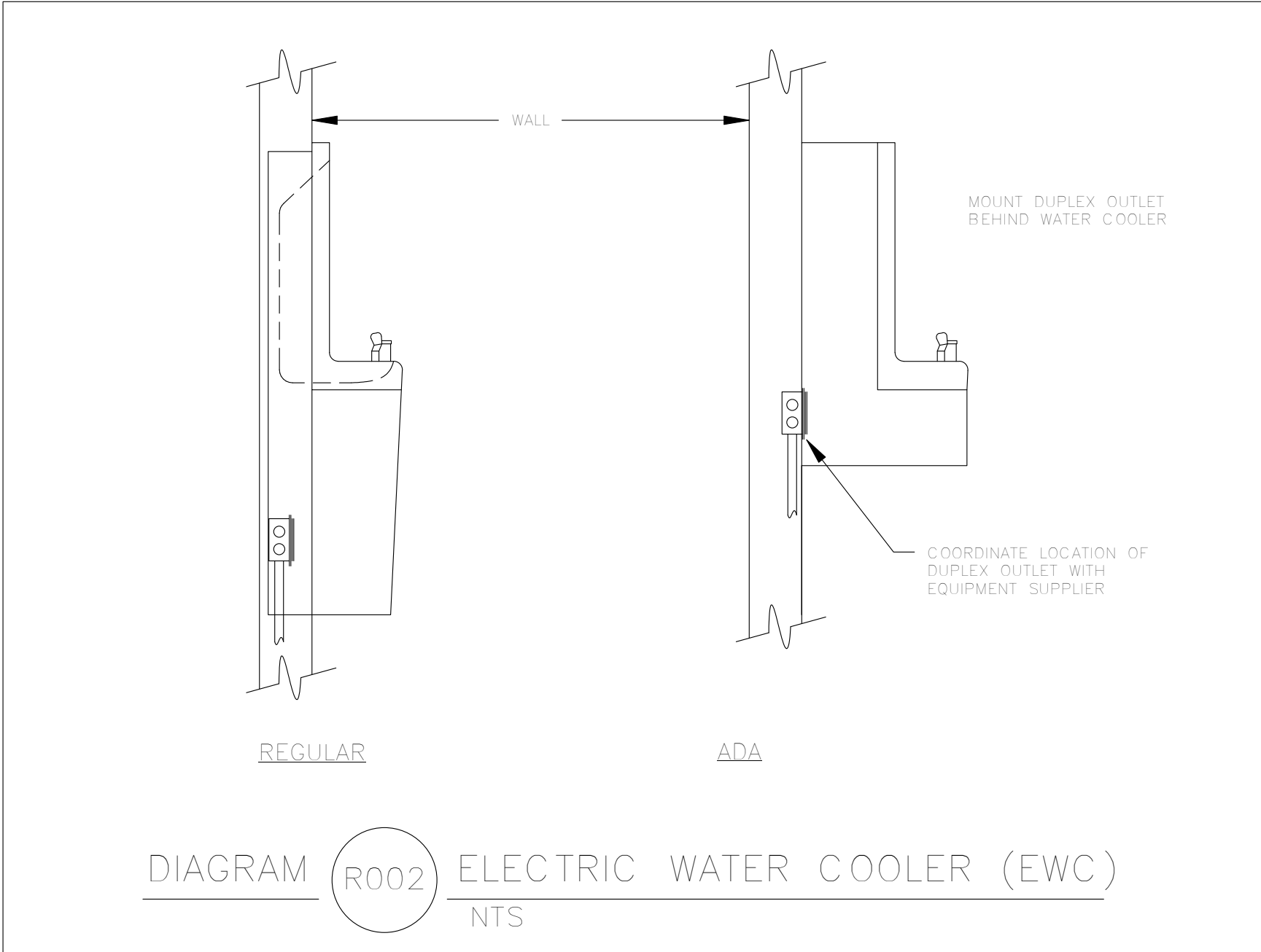
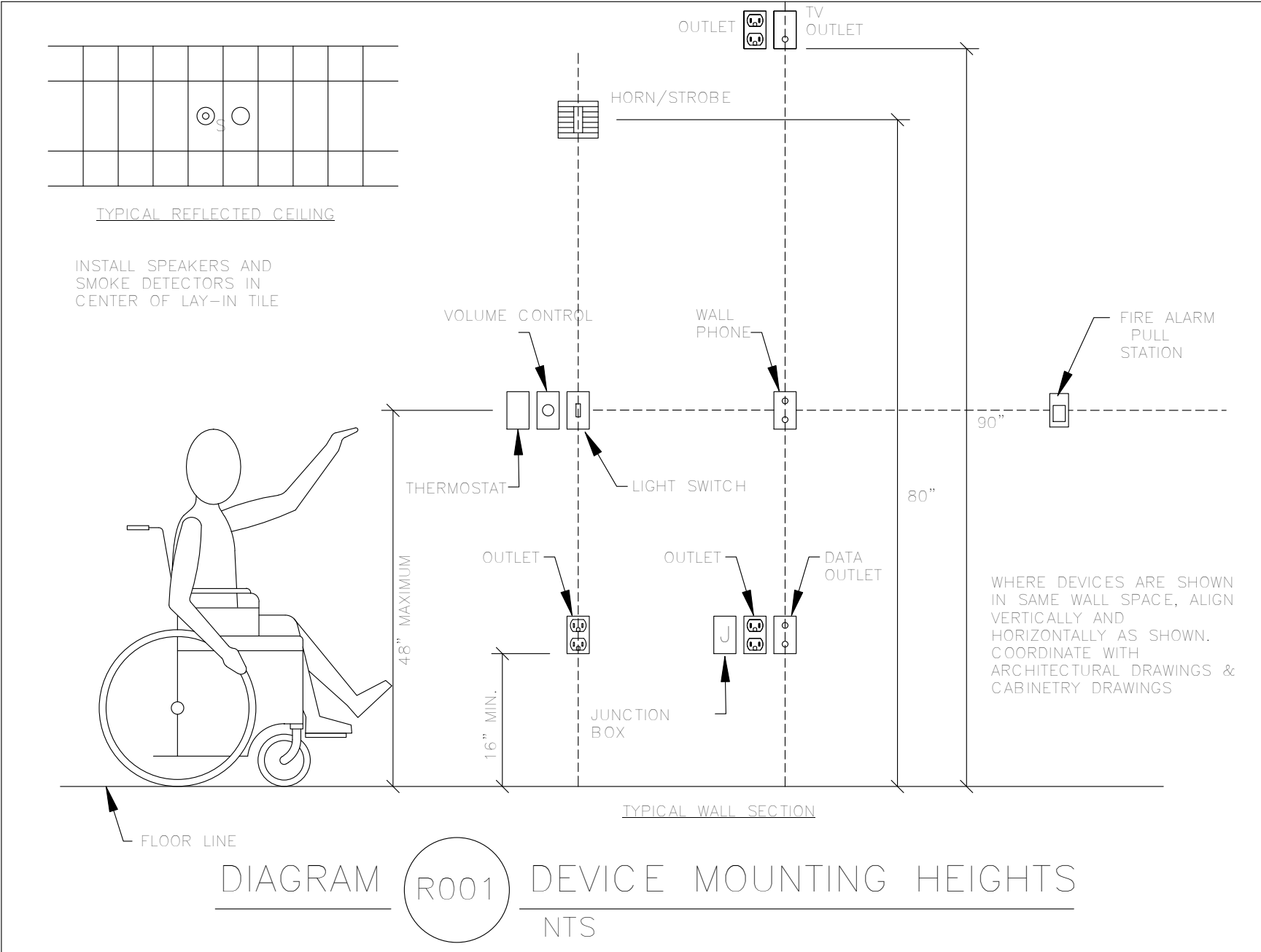
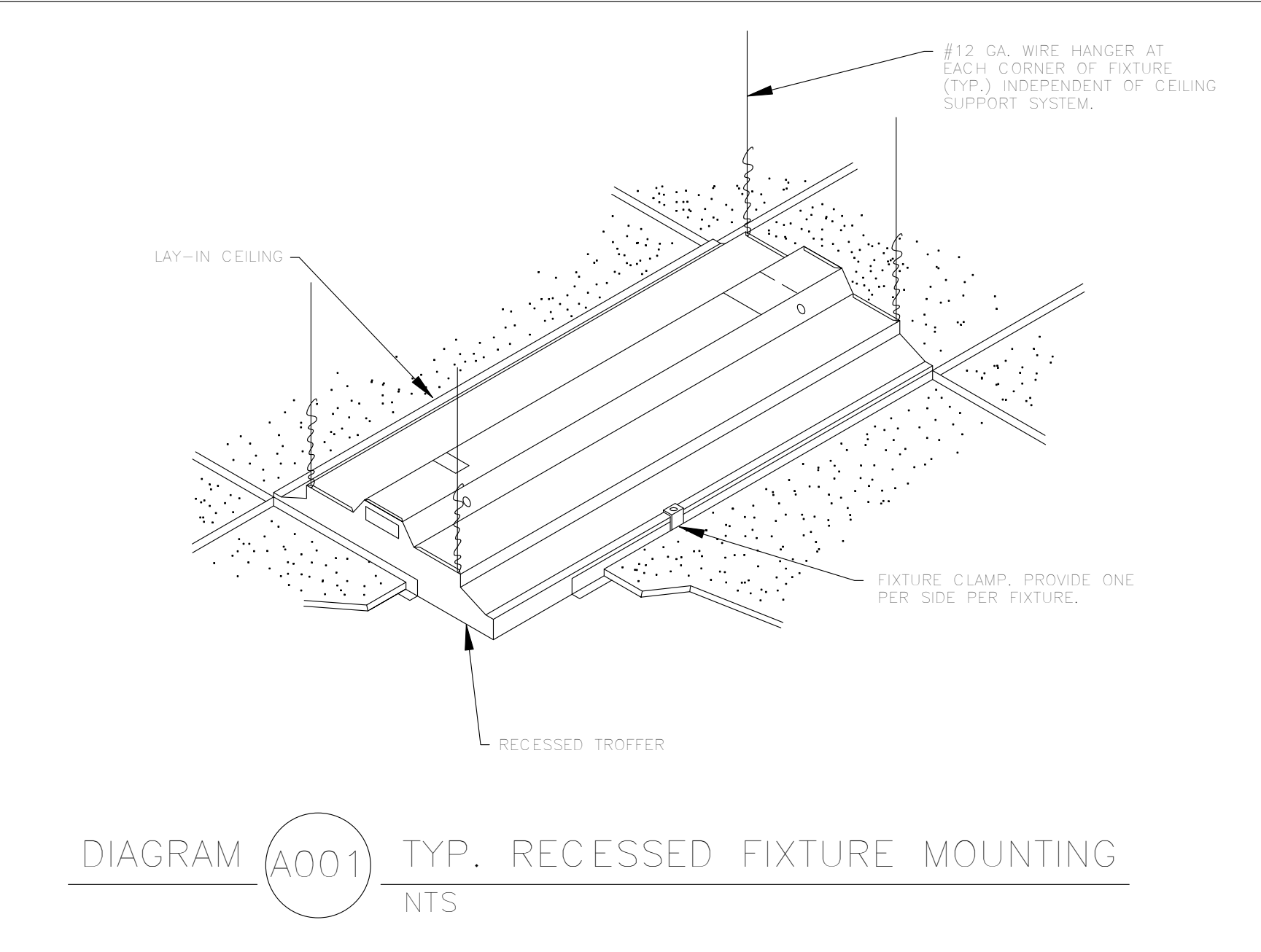


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ELECTRICAL DIAGRAMS

E701



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